

Belgian Cancer Registry



Cancer Fact Sheet

ICD10 : C23-24

**Gallbladder &  
biliary tract Cancer**

**Belgium 2022**

# 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, 2022

Males	Age (years)	N	CR	ESR	WSR	CRi
<b>Belgium</b>	<b>71.1</b>	<b>237</b>	<b>4.2</b>	<b>4.5</b>	<b>1.8</b>	<b>0.21</b>
Brussels-Capital Region	65.8	23	3.8	5.6	2.6	0.28
Flemish Region	72.1	139	4.2	4.2	1.7	0.19
Walloon Region	71.0	75	4.2	4.8	1.9	0.23

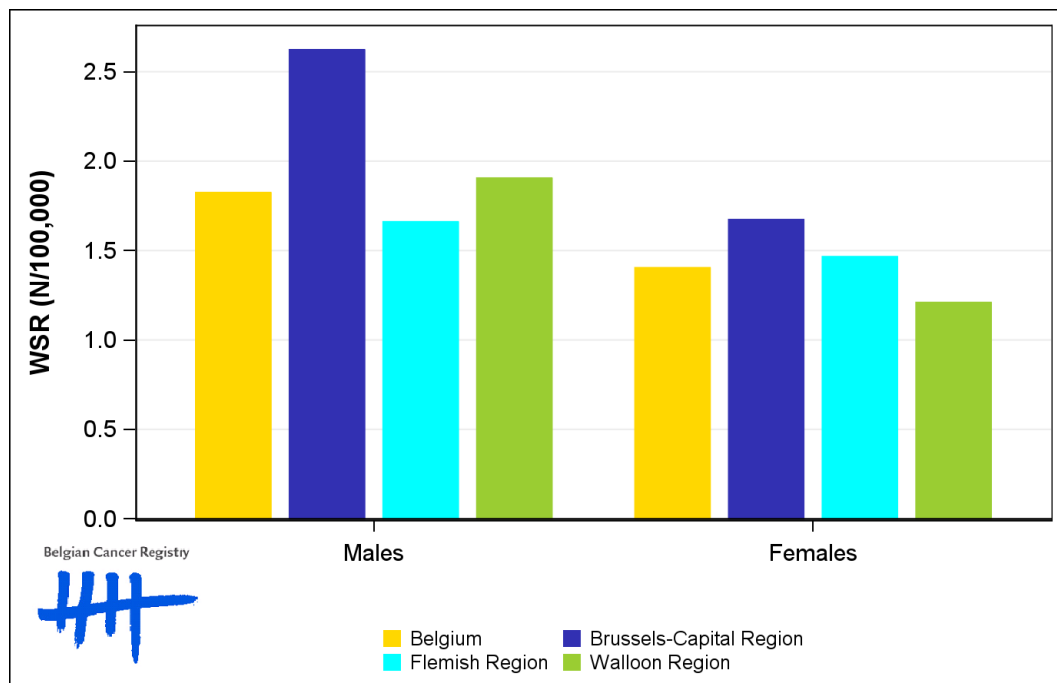
Females	Age (years)	N	CR	ESR	WSR	CRi
<b>Belgium</b>	<b>73.9</b>	<b>231</b>	<b>3.9</b>	<b>3.5</b>	<b>1.4</b>	<b>0.15</b>
Brussels-Capital Region	69.9	19	3.1	3.9	1.7	0.20
Flemish Region	75.1	155	4.6	3.8	1.5	0.15
Walloon Region	71.9	57	3.0	2.8	1.2	0.14

CR=Crude (all ages) Rate (N/100,000 person-years)  
 ESR=Age-Standardised Rate, using 2013 revised 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, 2022



## 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 2022

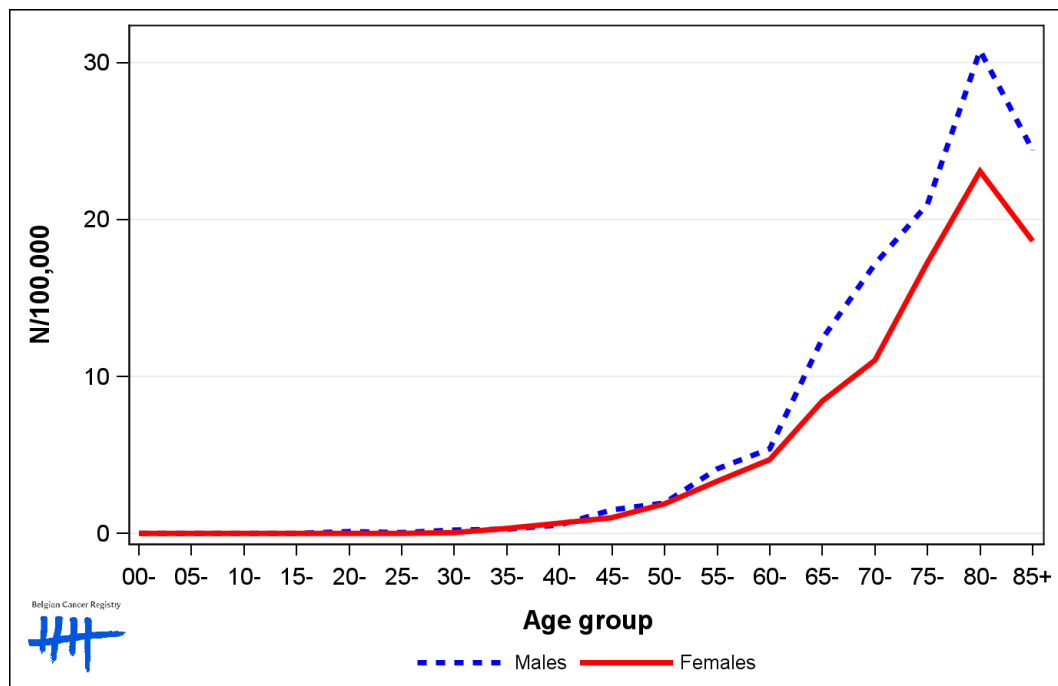
	00-	05-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	CR	ESR	WSR
Males	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.5	2.4	2.3	4.2	4.3	13.1	14.4	20.0	28.4	24.5	4.2	4.5	1.8
Females	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	1.4	1.8	4.3	4.8	9.3	7.8	16.4	23.6	20.9	3.9	3.5	1.4

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

ESR (2013)=Age-Standardised Rate, using the 2013 revised 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, 2018-2022



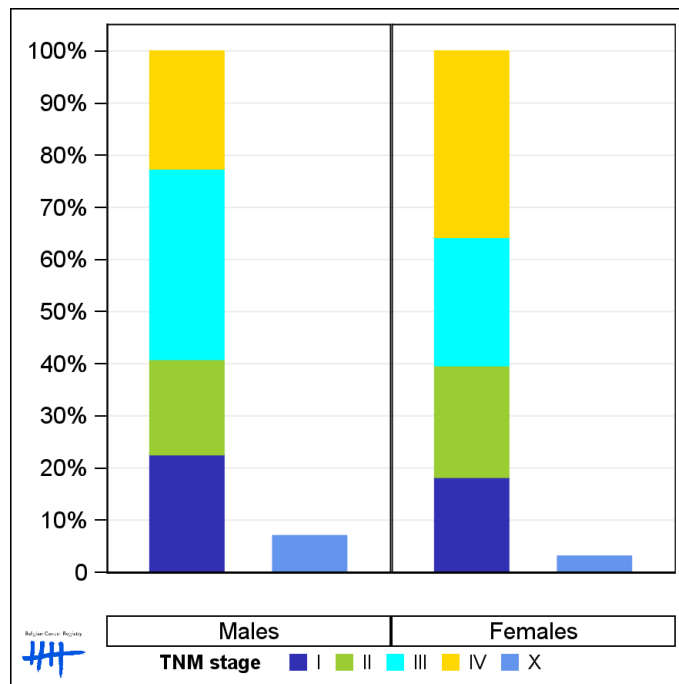
### 1.3. Combined stage

**Table 3:** Gallbladder and Biliary Tract Cancers: Distribution of combined stage by sex, Belgium 2022

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
<b>Males</b>							
N	21	17	34	21	7	137	237
%	8.9	7.2	14.3	8.9	3.0	57.8	100
<b>Females</b>							
N	23	27	31	45	4	101	231
%	10.0	11.7	13.4	19.5	1.7	43.7	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 2022



## 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

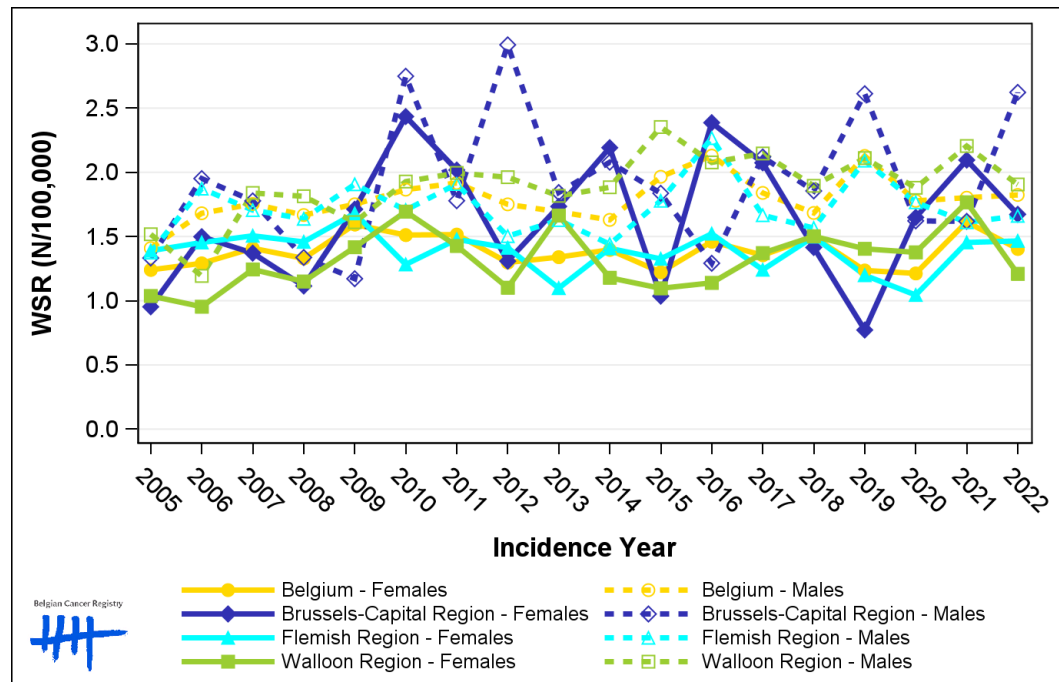
Males	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	AAPC	95% CI
<b>Belgium</b>	1.7	1.8	1.9	1.9	1.8	1.7	1.6	2.0	2.1	1.8	1.7	2.1	1.8	1.8	1.8	0.5	[-0.6; 1.5]
Brussels-Capital Region	1.3	1.2	2.7	1.8	3.0	1.8	2.1	1.8	1.3	2.1	1.9	2.6	1.6	1.6	2.6	1.4	[-2.3; 5.2]
Flemish Region	1.6	1.9	1.7	1.9	1.5	1.6	1.4	1.8	2.3	1.7	1.6	2.1	1.8	1.6	1.7	0.1	[-1.5; 1.7]
Walloon Region	1.8	1.6	1.9	2.0	2.0	1.8	1.9	2.4	2.1	2.1	1.9	2.1	1.9	2.2	1.9	1.0	[-0.1; 2.0]

Females	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	AAPC	95% CI
<b>Belgium</b>	1.3	1.6	1.5	1.5	1.3	1.3	1.4	1.2	1.5	1.4	1.5	1.2	1.2	1.6	1.4	-0.3	[-1.6; 0.9]
Brussels-Capital Region	1.1	1.7	2.4	2.0	1.3	1.7	2.2	1.0	2.4	2.1	1.4	0.8	1.6	2.1	1.7	-0.4	[-4.7; 4.1]
Flemish Region	1.5	1.7	1.3	1.5	1.4	1.1	1.4	1.3	1.5	1.2	1.5	1.2	1.0	1.5	1.5	-0.8	[-2.4; 0.9]
Walloon Region	1.2	1.4	1.7	1.4	1.1	1.7	1.2	1.1	1.1	1.4	1.5	1.4	1.4	1.8	1.2	0.4	[-1.7; 2.5]

WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)  
 AAPC = Average Annual Percentage Change over the 2008-2022 period

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



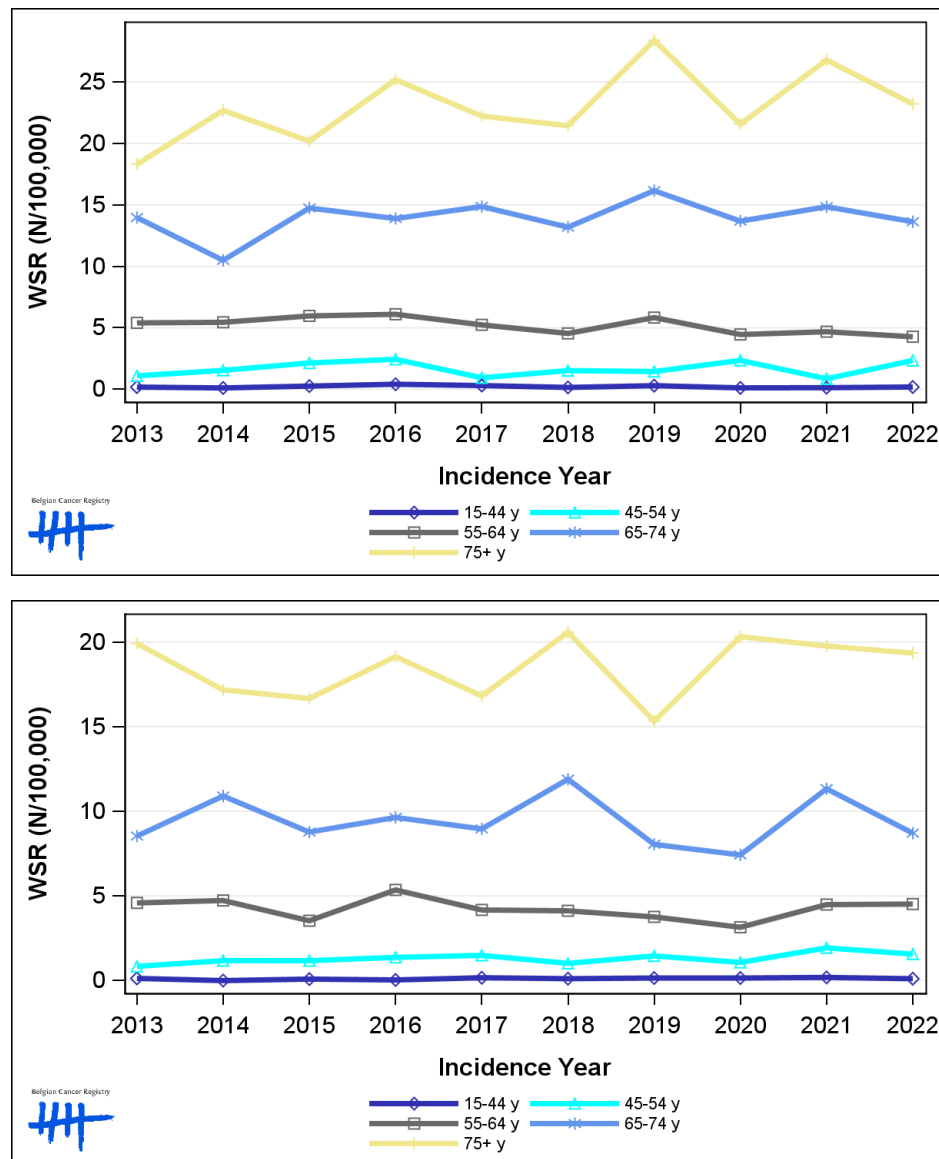
### 1.5. Incidence by broad age groups

**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									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
<b>Males</b>																					
All ages	184	193	219	244	222	211	271	223	248	237	1.7	1.6	2.0	2.1	1.8	1.7	2.1	1.8	1.8	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	5	3	7	11	8	4	7	3	3	5	0.2	0.1	0.3	0.4	0.3	0.2	0.3	0.1	0.1	0.2	
45-54 y	9	13	18	20	8	13	11	19	7	18	1.1	1.5	2.1	2.4	0.9	1.5	1.4	2.3	0.9	2.3	
55-64 y	36	37	41	43	38	33	43	33	36	33	5.4	5.4	6.0	6.1	5.2	4.5	5.8	4.5	4.7	4.3	
65-74 y	65	50	72	70	78	72	91	77	88	79	14.0	10.5	14.7	13.9	14.9	13.2	16.2	13.7	14.9	13.6	
75+ y	69	90	81	100	90	89	119	91	114	102	18.3	22.7	20.2	25.2	22.2	21.4	28.4	21.6	26.8	23.2	
<b>Females</b>																					
All ages	204	212	193	223	203	240	187	215	252	231	1.3	1.4	1.2	1.5	1.4	1.5	1.2	1.2	1.6	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	0	2	1	4	3	4	4	5	3	0.1	0.0	<0.1	<0.1	0.2	0.1	0.2	0.2	0.2	0.1	
45-54 y	7	10	10	11	12	8	12	9	15	12	0.8	1.2	1.2	1.4	1.5	1.0	1.5	1.1	1.9	1.6	
55-64 y	31	33	25	38	30	31	28	24	34	35	4.6	4.7	3.5	5.4	4.2	4.1	3.8	3.2	4.5	4.5	
65-74 y	44	58	47	54	51	71	50	47	72	54	8.5	10.9	8.8	9.6	9.0	11.9	8.0	7.4	11.3	8.7	
75+ y	119	111	109	119	106	127	93	131	126	127	19.9	17.2	16.7	19.1	16.8	20.6	15.3	20.3	19.8	19.3	

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

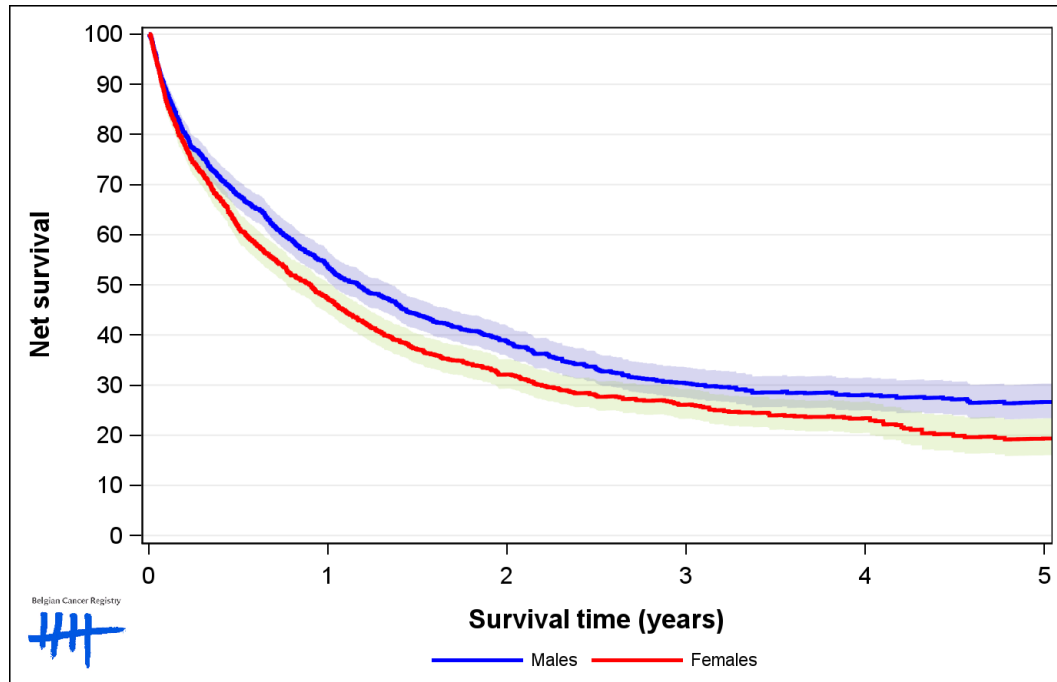


## 2. Net survival

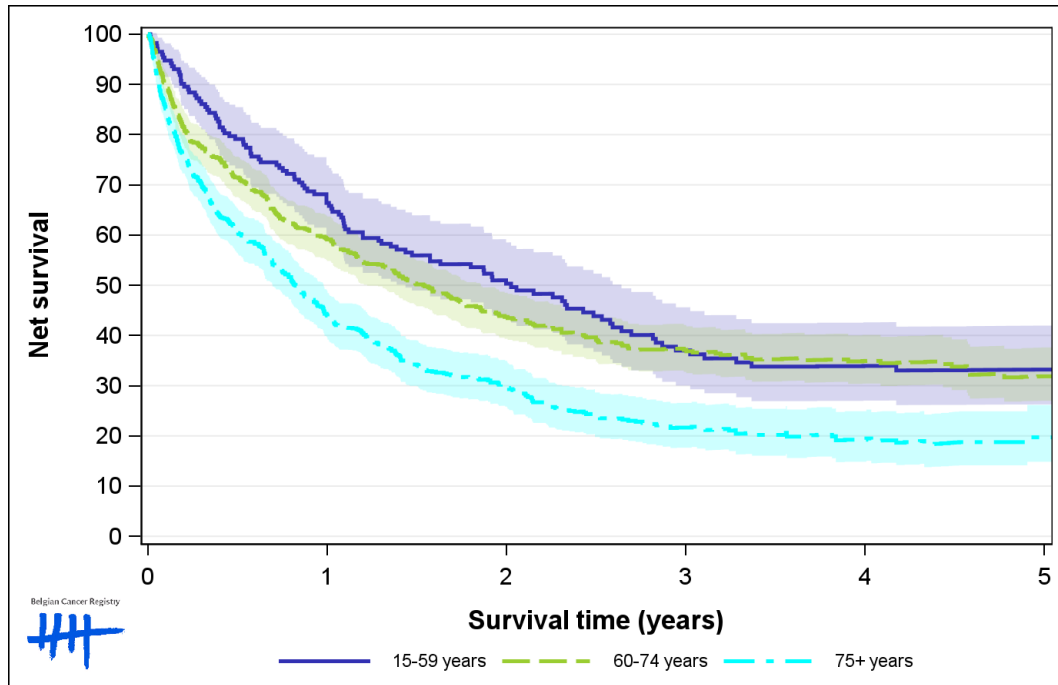
**Table 6:** Gallbladder and Biliary Tract Cancers: 5-year net survival by sex, age group and region, Belgium 2018-2022

	5-year net survival 2018-2022 (%)					
	Males			Females		
	N at risk	estimate	95% CI	N at risk	estimate	95% CI
<b>Overall</b>	1,185	26.7	[23.4, 30.3]	1,121	19.4	[16.0, 23.4]
<b>Age group</b>						
15-59 years	171	33.2	[26.3, 42.0]	141	33.8	[25.0, 45.9]
60-74 years	500	31.9	[27.0, 37.6]	378	20.8	[15.7, 27.4]
75+ years	514	20.0	[15.1, 26.5]	602	14.9	[10.6, 20.9]
<b>Region</b>						
Brussels-Capital Region	92	23.0	[14.3, 36.9]	92	28.2	[19.0, 41.8]
Flemish Region	707	27.7	[23.6, 32.6]	677	18.8	[14.6, 24.3]
Walloon Region	386	25.5	[20.1, 32.4]	352	18.2	[13.1, 25.3]

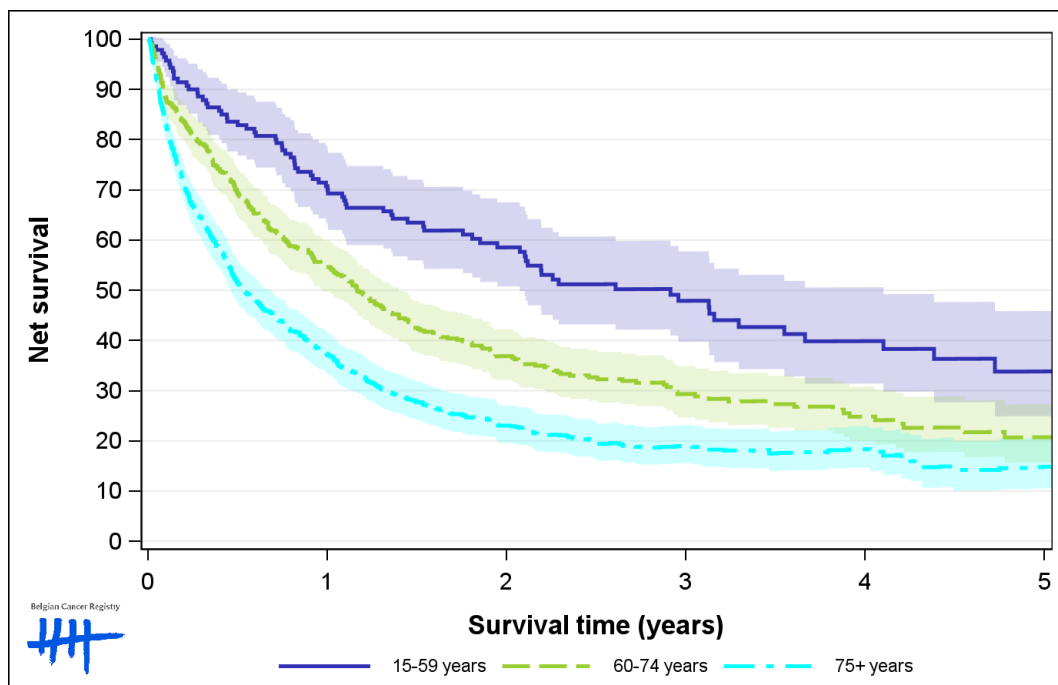
**Figure 6:** Gallbladder and Biliary Tract Cancers: net survival by sex, Belgium 2018-2022



**Figure 7:** Gallbladder and Biliary Tract Cancers: net survival by age group in males, Belgium 2018-2022

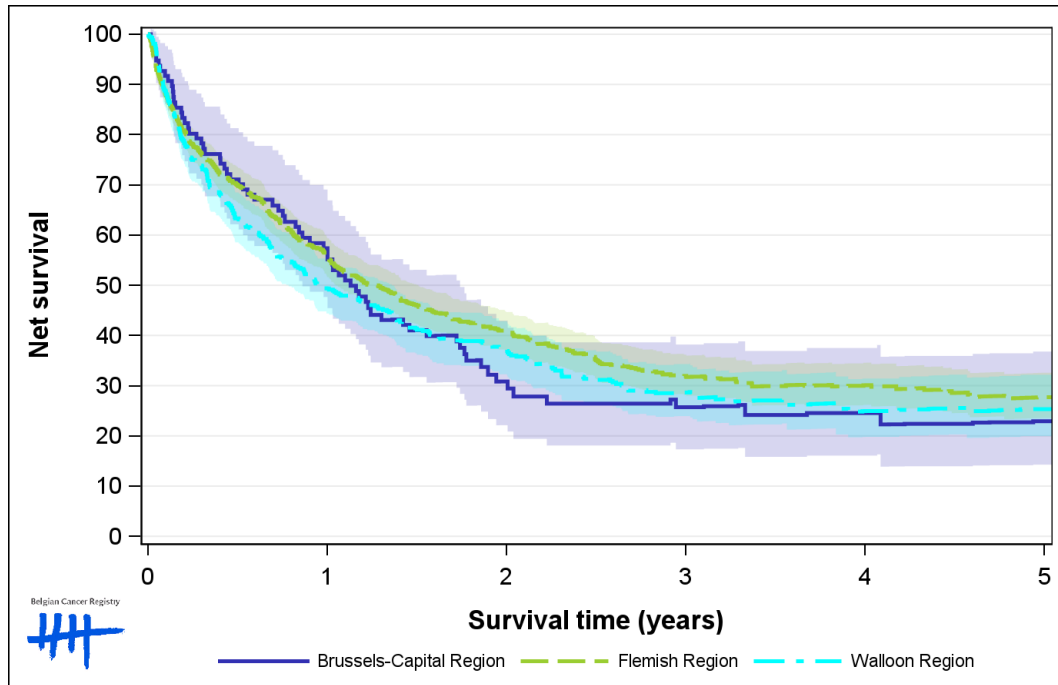


**Figure 8:** Gallbladder and Biliary Tract Cancers: net survival by age group in females, Belgium 2018-2022





**Figure 9:** Gallbladder and Biliary Tract Cancers: net survival by region in males, Belgium 2018-2022



**Figure 10:** Gallbladder and Biliary Tract Cancers: net survival by region in females, Belgium 2018-2022

