



## Cancer Fact Sheet Liver Cancer

ICD10 : C22



Belgium 2021

## 1. Cancer Incidence

### 1.1. Number of new diagnoses and incidence rates

**Table 1:** Liver cancer: 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
<b>Belgium</b>	<b>69.7</b>	<b>790</b>	<b>13.9</b>	<b>9.6</b>	<b>6.6</b>	<b>0.86</b>
Brussels-Capital Region	65.5	64	10.7	11.0	7.7	1.01
Flemish Region	70.9	391	11.9	7.5	5.0	0.65
Walloon Region	68.9	335	18.8	13.4	9.2	1.22

Females	Age (years)	N	CR	ESR	WSR	CRi
<b>Belgium</b>	<b>69.5</b>	<b>318</b>	<b>5.4</b>	<b>3.5</b>	<b>2.4</b>	<b>0.28</b>
Brussels-Capital Region	69.5	37	6.0	4.9	3.2	0.34
Flemish Region	70.0	173	5.1	3.0	2.2	0.25
Walloon Region	68.6	108	5.8	3.9	2.7	0.32

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)

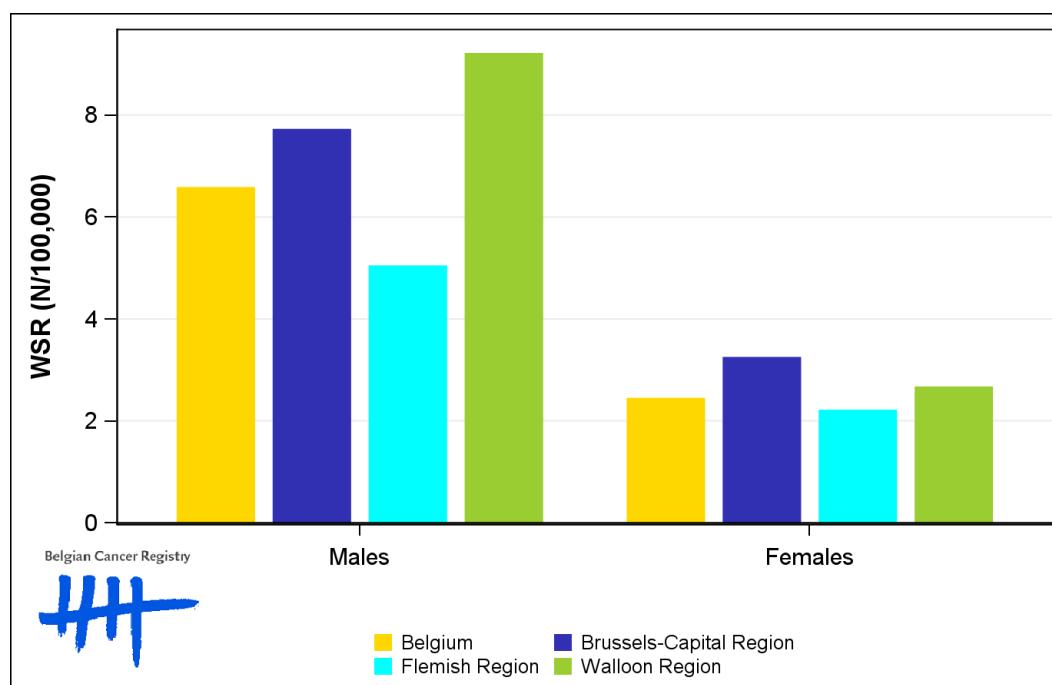
WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)

CRi=Cumulative Risk for 0-74 years (%)

Belgian Cancer Registry



**Figure 1:** Liver cancer: Age-standardised incidence rates by sex and region, 2021



## 1.2. Age-specific incidence rates

**Table 2:** Liver cancer: Age-specific incidence rates, crude rate (CR) and age-standardised incidence rates (ESR and WSR) by sex, Belgium 2021

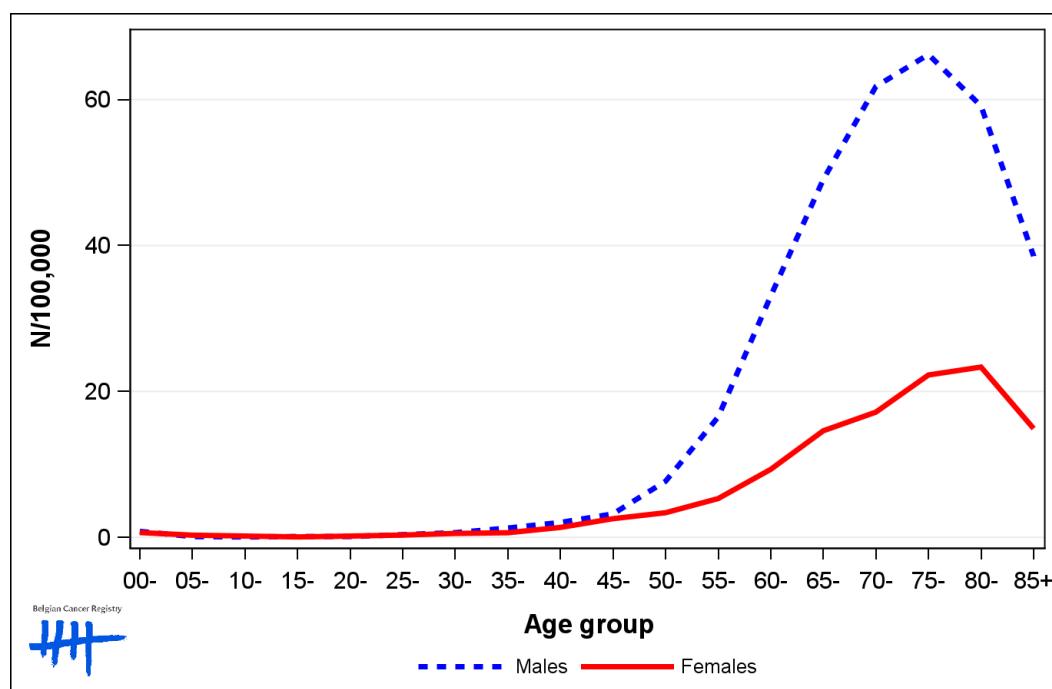
	00-	05-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	CR	ESR	WSR
Males	0.7	0.3	0.0	0.6	0.0	0.5	0.8	0.8	1.3	2.4	5.5	11.4	29.5	52.5	66.8	72.9	64.3	35.1	13.9	9.6	6.6
Females	0.7	0.3	0.0	0.0	0.0	0.3	0.8	1.1	1.1	2.1	3.1	4.2	11.0	15.9	15.9	25.8	19.5	15.9	5.4	3.5	2.4

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:** Liver cancer: Age-specific incidence rates by sex, 2017-2021



### 1.3. Combined stage

**Table 3:** Liver cancer: Distribution of combined stage by sex, Belgium 2021

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
<b>Males</b>							
N	170	146	166	224	76	8	790
%	21.5	18.5	21.0	28.4	9.6	1.0	100
<b>Females</b>							
N	63	43	64	108	34	6	318
%	19.8	13.5	20.1	34.0	10.7	1.9	100

Staging according to the TNM 8th edition (Ref: Brierley JD, Gospodarowicz MK, Wittekind Ch.

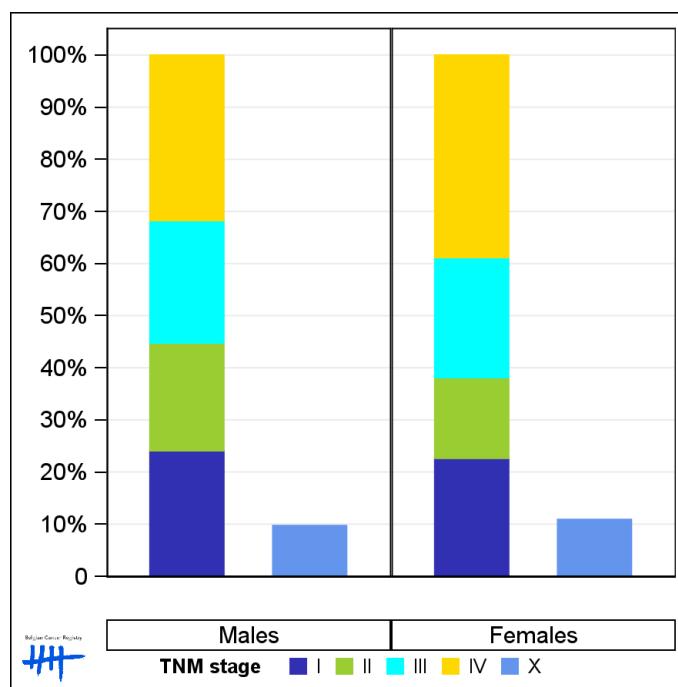
TNM classification of malignant tumours, UICC 8th edition)

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:** Liver cancer: Bar chart of known combined stage by sex, Belgium 2021



## 1.4. Trends in incidence

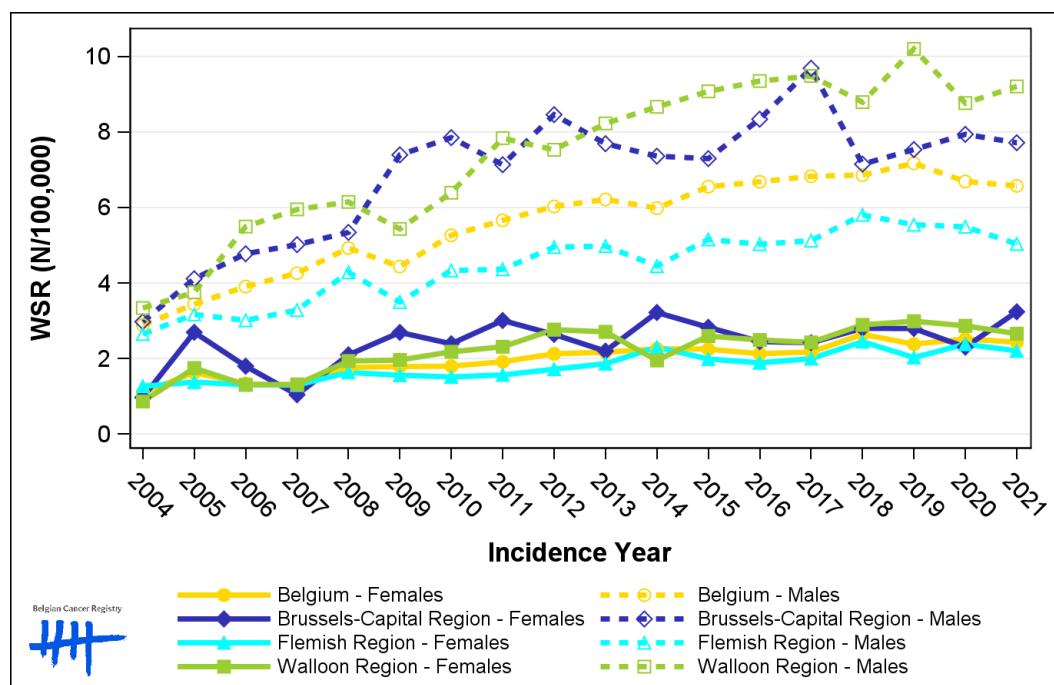
**Table 4:** Liver cancer: Age-standardised incidence rates (WSR) and average annual percentage change (AAPC) by incidence year, sex and region

Males	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	AAPC	95% CI
<b>Belgium</b>	<b>4.3</b>	<b>4.9</b>	<b>4.4</b>	<b>5.3</b>	<b>5.7</b>	<b>6.0</b>	<b>6.2</b>	<b>6.0</b>	<b>6.6</b>	<b>6.7</b>	<b>6.8</b>	<b>6.9</b>	<b>7.2</b>	<b>6.7</b>	<b>6.6</b>	<b>3.2</b>	<b>[2.5; 3.8]</b>
Brussels-Capital Region	5.0	5.3	7.4	7.9	7.1	8.5	7.7	7.4	7.3	8.3	9.7	7.1	7.5	7.9	7.7	1.8	[0.1; 3.4]
Flemish Region	3.3	4.3	3.5	4.3	4.4	5.0	5.0	4.5	5.2	5.0	5.1	5.8	5.5	5.5	5.0	3.0	[1.9; 4.1]
Walloon Region	5.9	6.1	5.4	6.4	7.8	7.5	8.2	8.7	9.1	9.3	9.5	8.8	10.2	8.8	9.2	3.7	[2.8; 4.6]
Females	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	AAPC	95% CI
<b>Belgium</b>	<b>1.3</b>	<b>1.8</b>	<b>1.8</b>	<b>1.8</b>	<b>1.9</b>	<b>2.1</b>	<b>2.2</b>	<b>2.3</b>	<b>2.3</b>	<b>2.1</b>	<b>2.2</b>	<b>2.6</b>	<b>2.4</b>	<b>2.5</b>	<b>2.4</b>	<b>4.0</b>	<b>[3.0; 5.0]</b>
Brussels-Capital Region	1.0	2.1	2.7	2.4	3.0	2.6	2.2	3.2	2.8	2.5	2.4	2.8	2.8	2.3	3.2	3.2	[0.2; 6.2]
Flemish Region	1.3	1.6	1.6	1.5	1.6	1.7	1.9	2.3	2.0	1.9	2.0	2.4	2.0	2.4	2.2	3.7	[2.5; 4.9]
Walloon Region	1.3	1.9	2.0	2.2	2.3	2.8	2.7	2.0	2.6	2.5	2.4	2.9	3.0	2.9	2.7	4.3	[2.7; 5.9]

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:** Liver cancer: Age-standardised incidence rates (WSR) by incidence year, sex and region



## 1.5. Incidence by broad age groups

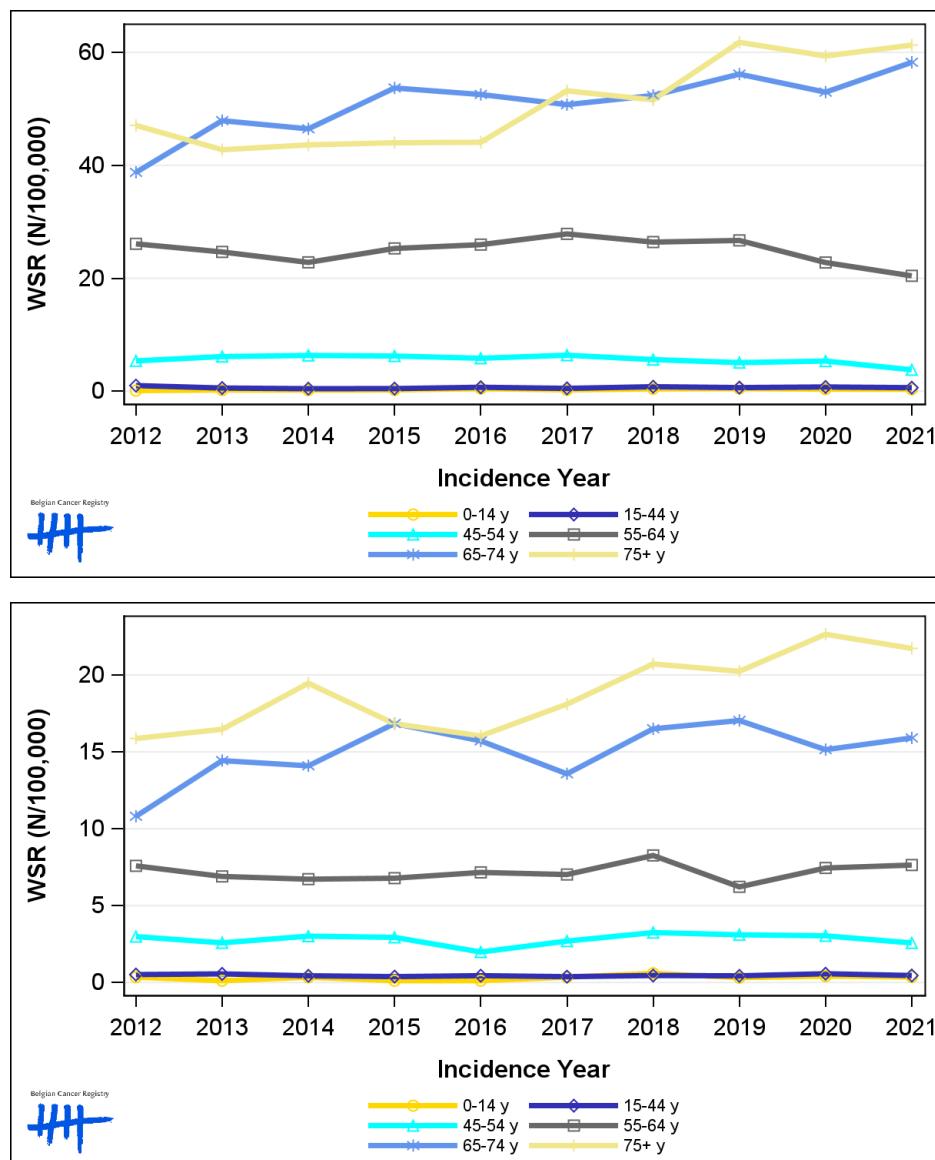
**Table 5:** Liver cancer: Number of new diagnoses and age-standardised incidence rates (WSR) by broad age groups and incidence year by sex, Belgium

	N												WSR										
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021			
<b>Males</b>																							
All ages	597	619	611	671	693	739	751	817	774	790	6.0	6.2	6.0	6.6	6.7	6.8	6.9	7.2	6.7	6.6			
0-14 y	1	2	2	2	4	2	4	4	3	3	0.1	0.2	0.2	0.2	0.5	0.2	0.4	0.5	0.5	0.4	0.4	0.4	
15-44 y	26	14	12	12	19	13	21	17	19	15	1.0	0.6	0.5	0.5	0.7	0.5	0.8	0.7	0.8	0.6			
45-54 y	45	52	53	51	50	55	47	41	45	31	5.4	6.1	6.3	6.2	5.8	6.4	5.6	5.1	5.4	3.8			
55-64 y	175	166	154	173	180	197	190	195	170	153	26.1	24.7	22.8	25.3	26.0	27.9	26.4	26.7	22.8	20.4			
65-74 y	173	222	220	262	264	284	313	298	338	38.8	47.9	46.5	53.7	52.5	50.7	52.4	56.2	53.0	58.2				
75+ y	177	163	170	171	176	206	205	247	239	250	47.1	42.8	43.6	44.0	44.1	53.2	51.6	61.8	59.4	61.3			
<b>Females</b>																							
All ages	243	252	274	276	267	273	327	304	329	318	2.1	2.2	2.3	2.3	2.1	2.2	2.6	2.4	2.5	2.4			
0-14 y	3	1	3	1	1	3	5	3	4	3	0.4	0.1	0.3	0.1	0.1	0.4	0.6	0.3	0.4	0.4			
15-44 y	12	14	11	10	11	9	12	11	13	12	0.5	0.6	0.4	0.4	0.4	0.4	0.5	0.4	0.6	0.5			
45-54 y	24	21	25	25	16	22	26	24	24	20	3.0	2.6	3.0	2.9	2.0	2.7	3.3	3.1	3.0	2.6			
55-64 y	52	48	46	47	51	51	61	46	57	58	7.6	6.9	6.7	6.8	7.2	7.0	8.3	6.2	7.5	7.6			
65-74 y	55	75	75	91	87	78	99	103	93	99	10.8	14.4	14.1	16.8	15.7	13.6	16.5	17.0	15.1	15.9			
75+ y	97	93	114	102	101	110	124	117	138	126	15.9	16.5	19.5	16.8	16.0	18.1	20.7	20.2	22.6	21.7			

N=Number of invasive tumours

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

**Figure 5:** Liver cancer: Age-standardised incidence rates (WSR) versus incidence year by broad age groups for males (top) and females (bottom), Belgium

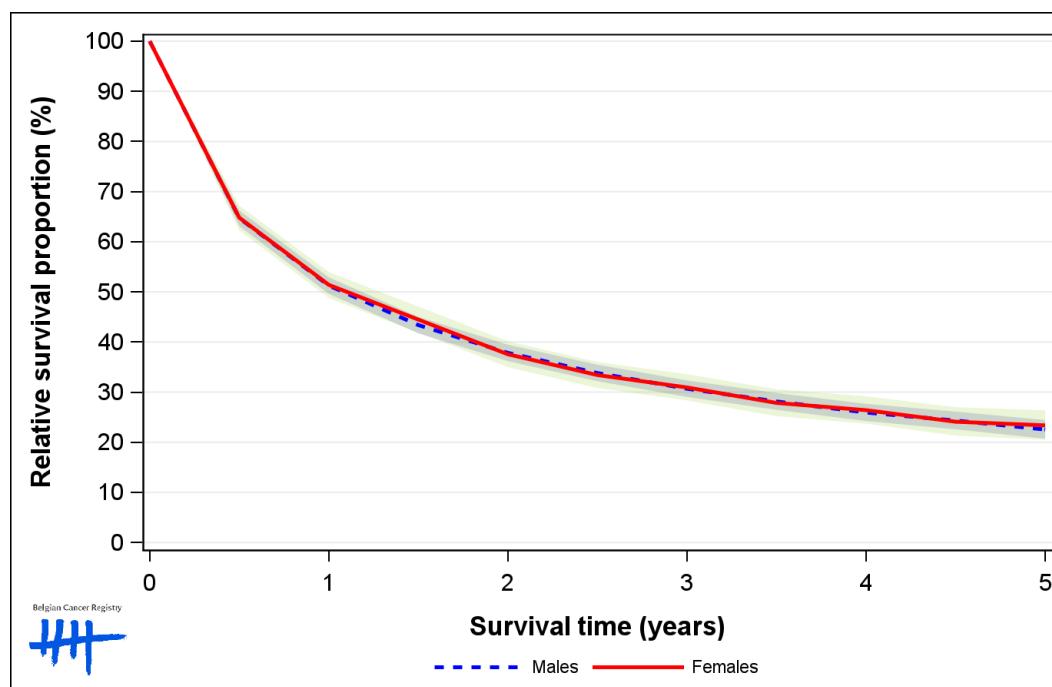


## 2. Relative survival

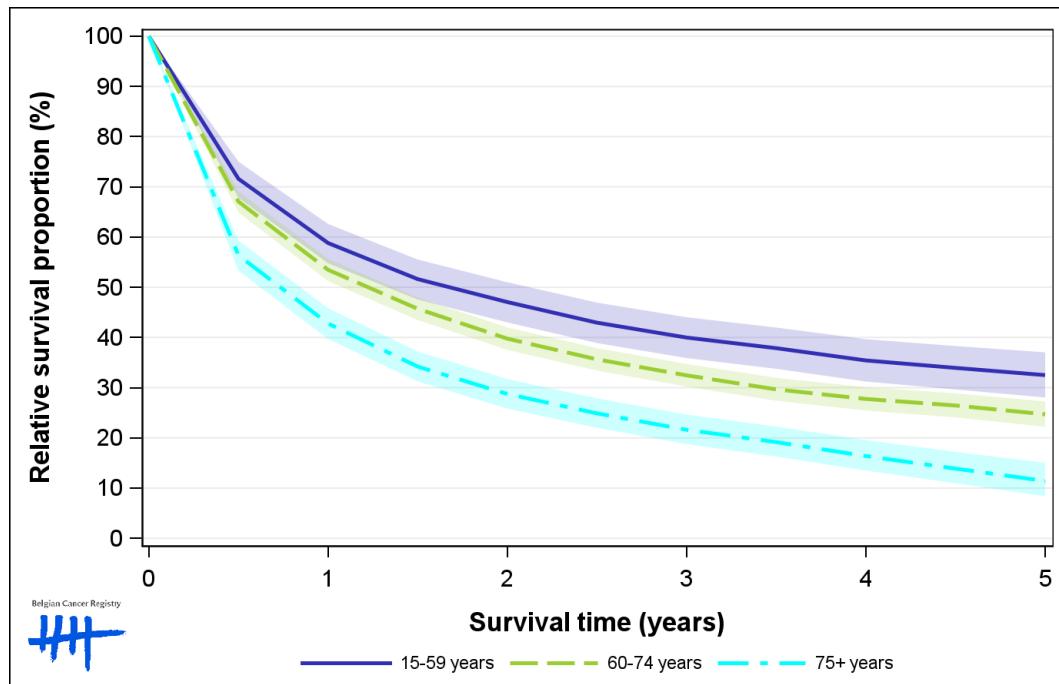
**Table 6:** Liver cancer: 5-year relative survival proportion by sex, age group and region, Belgium 2017-2021

	5-year relative survival 2017-2021 (%)					
	Males			Females		
	N at risk	estimate	95% CI	N at risk	estimate	95% CI
<b>Overall</b>	3,831	21.8	[20.1, 23.6]	1,522	22.2	[19.4, 25.2]
<b>Age group</b>						
15-59 years	621	31.8	[27.5, 36.3]	277	27.3	[20.2, 34.8]
60-74 years	2,067	24.0	[21.6, 26.5]	636	22.8	[18.7, 27.1]
75+ years	1,143	10.8	[8.0, 14.1]	609	19.3	[15.0, 24.1]
<b>Region</b>						
Brussels-Capital Region	326	20.1	[14.4, 26.5]	147	22.2	[14.0, 31.8]
Flemish Region	1,905	21.5	[19.1, 24.1]	837	19.8	[16.3, 23.5]
Walloon Region	1,600	22.8	[20.0, 25.6]	538	26.5	[21.3, 31.9]

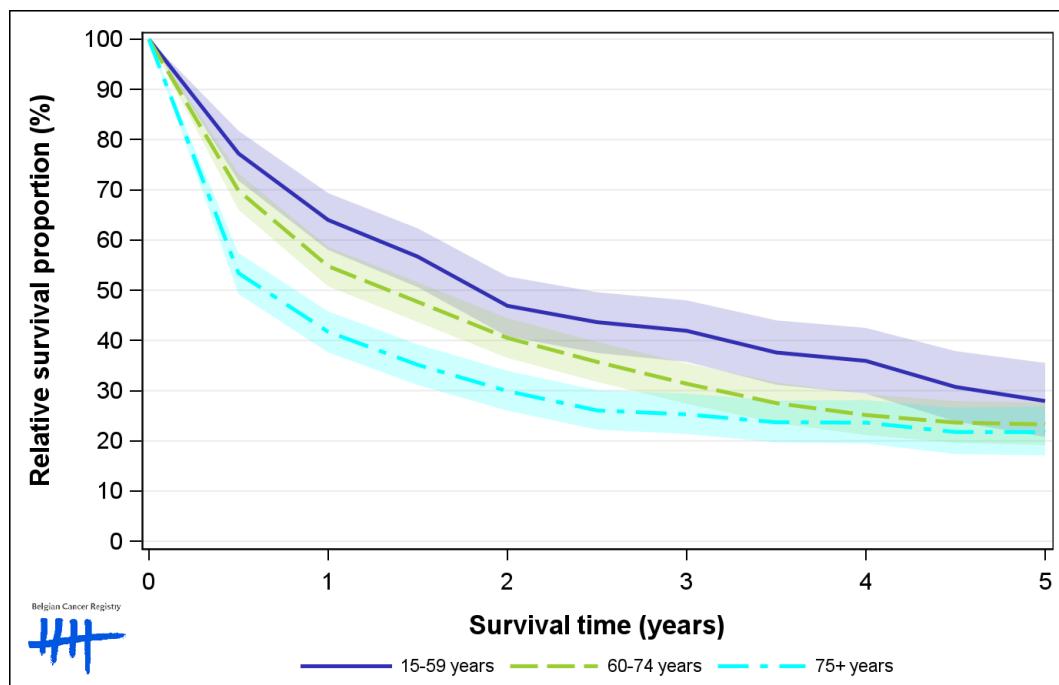
**Figure 6:** Liver cancer: relative survival proportion by sex, Belgium 2017-2021



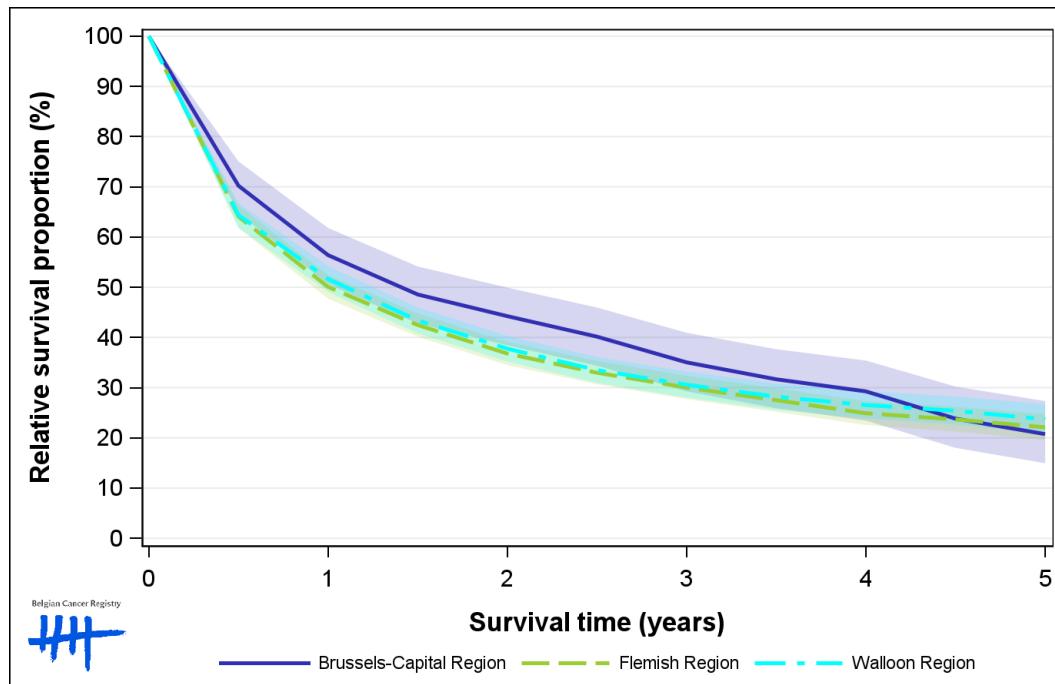
**Figure 7:** Liver cancer: relative survival proportion by age group in males, Belgium 2017-2021



**Figure 8:** Liver cancer: relative survival proportion by age group in females, Belgium 2017-2021



**Figure 9:** Liver cancer: relative survival proportion by region in males, Belgium 2017-2021



**Figure 10:** Liver cancer: relative survival proportion by region in females, Belgium 2017-2021

