

Belgian Cancer Registry



# Cancer Fact Sheet **Colorectal Cancer**

ICD10 : C18-20

**Belgium 2020**

# 1. Cancer Incidence

## 1.1. Number of new diagnoses and incidence rates

**Table 1:** Colorectal 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, 2020

Males	Age (years)	N	CR	ESR	WSR	CRi
<b>Belgium</b>	<b>70.4</b>	<b>3,983</b>	<b>70.4</b>	<b>48.5</b>	<b>32.3</b>	<b>3.69</b>
Brussels-Capital Region	69.5	264	44.2	43.6	29.1	3.44
Flemish Region	70.9	2,461	75.0	48.0	31.9	3.57
Walloon Region	69.6	1,258	70.6	51.0	34.1	3.99

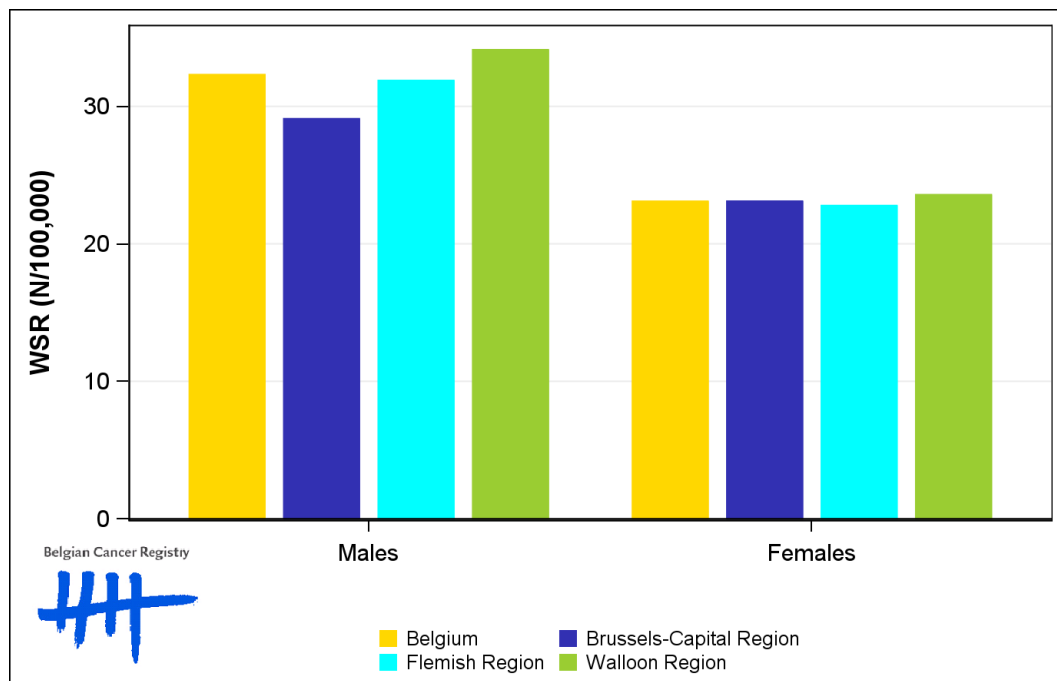
Females	Age (years)	N	CR	ESR	WSR	CRi
<b>Belgium</b>	<b>71.5</b>	<b>3,330</b>	<b>57.1</b>	<b>34.0</b>	<b>23.1</b>	<b>2.55</b>
Brussels-Capital Region	69.9	268	43.2	34.0	23.1	2.57
Flemish Region	72.1	2,001	59.8	33.5	22.8	2.48
Walloon Region	71.0	1,061	56.9	34.6	23.6	2.66

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:** Colorectal Cancer: Age-standardised incidence rates by sex and region, 2020



## 1.2. Age-specific incidence rates

**Table 2:** Colorectal Cancer: Age-specific incidence rates, crude rate (CR) and age-standardised incidence rates (ESR and WSR) by sex, Belgium 2020

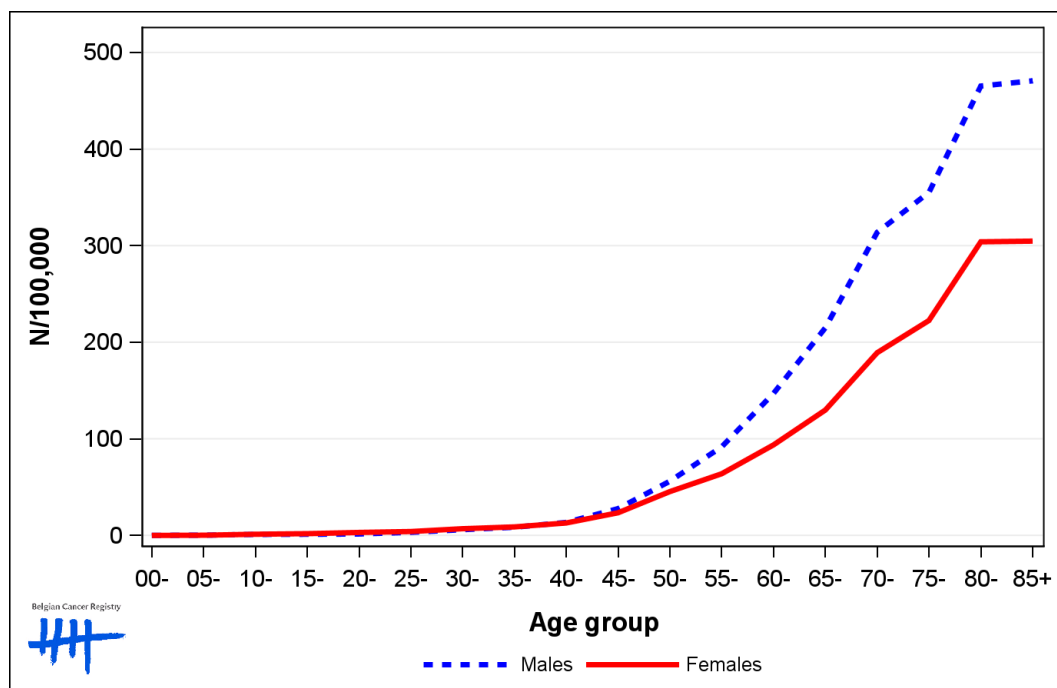
	00-	05-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	CR	ESR	WSR
Males	0.0	0.3	0.3	0.0	1.2	2.7	5.7	9.9	12.7	29.4	55.2	76.3	115.5	170.8	272.2	312.5	415.3	458.1	70.4	48.5	32.3
Females	0.0	0.3	2.2	1.9	2.7	2.2	6.4	9.3	12.0	24.0	46.4	57.9	80.1	106.5	163.9	210.6	284.7	271.5	57.1	34.0	23.1

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:** Colorectal Cancer: Age-specific incidence rates by sex, 2016-2020



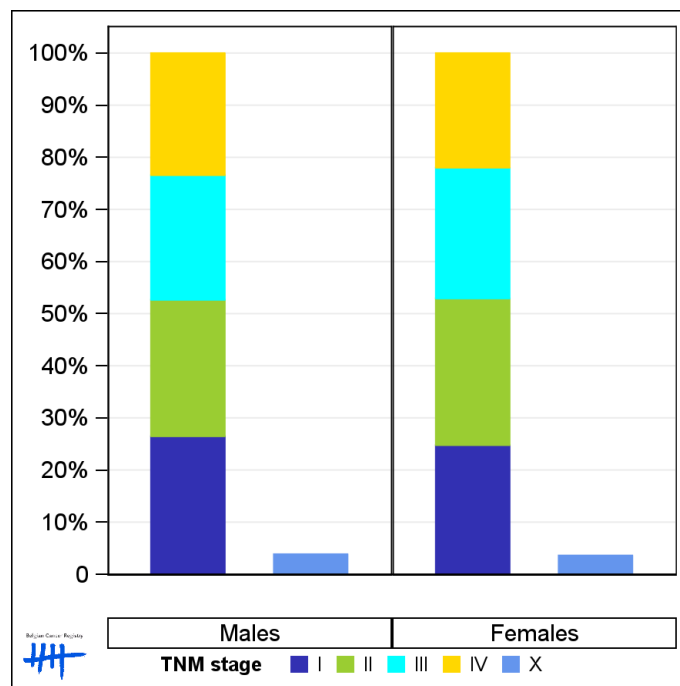
### 1.3. Combined stage

**Table 3:** Colorectal Cancer: Distribution of combined stage by sex, Belgium 2020

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
<b>Males</b>							
N	1,011	999	913	893	153	14	3,983
%	25.4	25.1	22.9	22.4	3.8	0.4	100
<b>Females</b>							
N	794	902	804	704	120	6	3,330
%	23.8	27.1	24.1	21.1	3.6	0.2	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:** Colorectal Cancer: Bar chart of known combined stage by sex, Belgium 2020



## 1.4. Trends in incidence

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

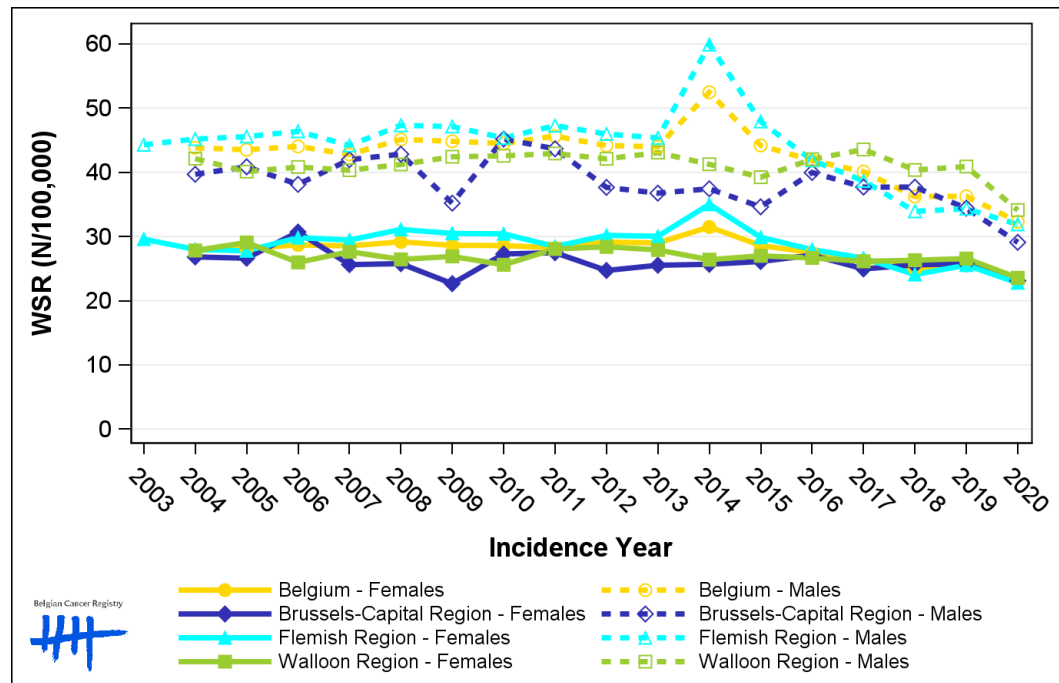
Males	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	AAPC	95% CI
<b>Belgium</b>	<b>44.0</b>	<b>42.8</b>	<b>45.1</b>	<b>44.8</b>	<b>44.5</b>	<b>45.7</b>	<b>44.2</b>	<b>44.0</b>	<b>52.5</b>	<b>44.2</b>	<b>41.8</b>	<b>40.1</b>	<b>36.2</b>	<b>36.3</b>	<b>32.3</b>	<b>-1.9</b>	<b>[-2.4; -1.4]</b>
Brussels-Capital Region	38.1	42.0	42.8	35.2	45.2	43.7	37.7	36.8	37.4	34.6	40.0	37.7	37.7	34.4	29.1	-1.5	[-2.7; -0.4]
Flemish Region	46.4	44.2	47.3	47.1	45.4	47.3	46.0	45.4	59.9	47.9	41.9	38.7	33.9	34.3	31.9	-2.6	[-3.4; -1.7]
Walloon Region	40.8	40.3	41.2	42.4	42.6	42.9	42.1	43.1	41.3	39.2	42.0	43.6	40.4	40.9	34.1	-0.5	[-1.3; 0.4]

Females	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	AAPC	95% CI
<b>Belgium</b>	<b>28.7</b>	<b>28.5</b>	<b>29.2</b>	<b>28.6</b>	<b>28.6</b>	<b>28.2</b>	<b>29.2</b>	<b>29.0</b>	<b>31.5</b>	<b>28.6</b>	<b>27.5</b>	<b>26.3</b>	<b>25.0</b>	<b>25.9</b>	<b>23.1</b>	<b>-1.3</b>	<b>[-1.6; -0.9]</b>
Brussels-Capital Region	30.7	25.6	25.8	22.7	27.3	27.5	24.7	25.5	25.7	26.1	27.1	25.0	25.6	25.8	23.1	-0.6	[-1.5; 0.3]
Flemish Region	29.8	29.5	31.1	30.5	30.4	28.4	30.2	30.1	35.0	29.9	28.0	26.6	24.1	25.5	22.8	-1.8	[-2.4; -1.2]
Walloon Region	26.0	27.6	26.5	26.9	25.6	28.1	28.4	27.9	26.4	27.0	26.7	26.2	26.3	26.6	23.6	-0.4	[-0.8; 0.1]

WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)  
 AAPC = Average Annual Percentage Change over the 2006-2020 period

**Figure 4:** Colorectal Cancer: Age-standardised incidence rates (WSR) by incidence year, sex and region



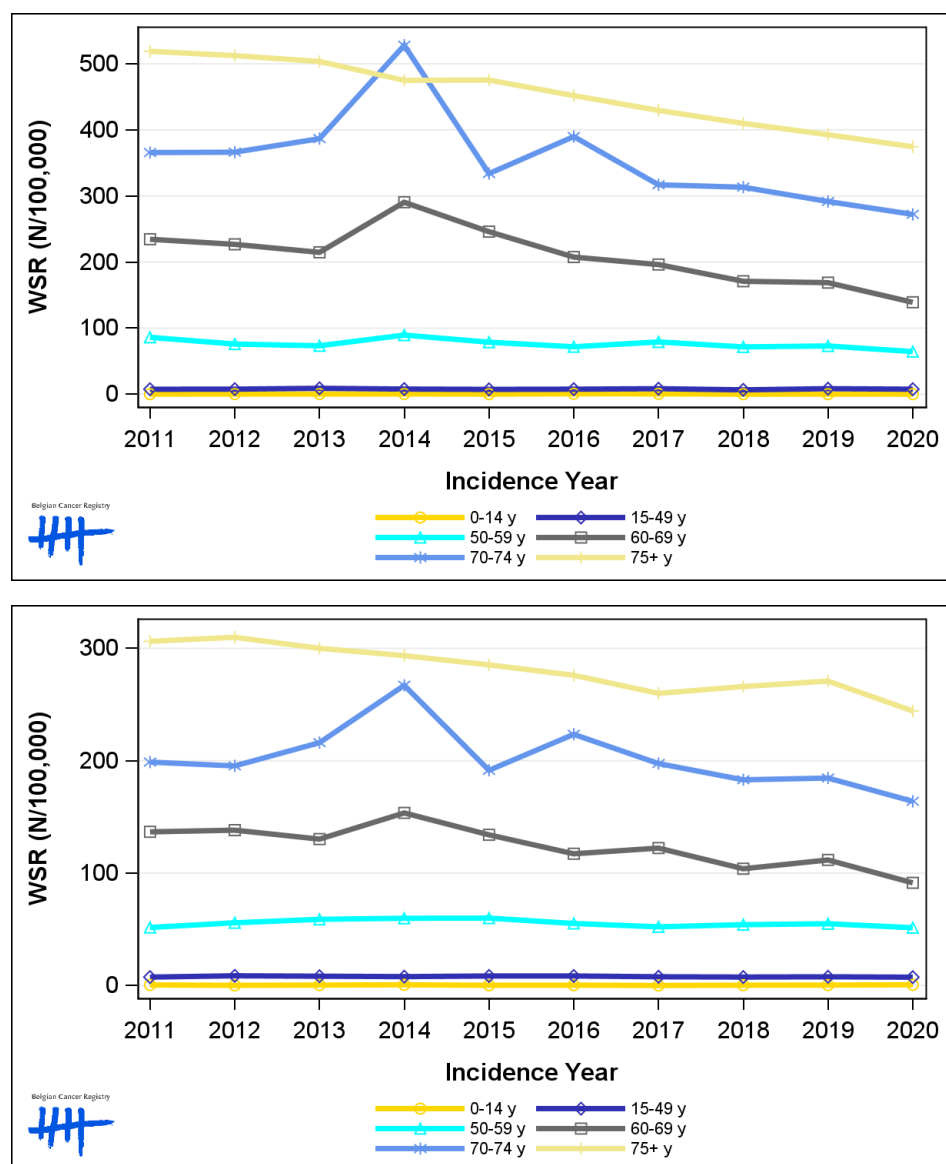
## 1.5. Incidence by broad age groups

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

	N										WSR									
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
<b>Males</b>																				
All ages	4,803	4,753	4,804	5,608	4,931	4,765	4,597	4,312	4,321	3,983	45.7	44.2	44.0	52.5	44.2	41.8	40.1	36.2	36.3	32.3
0-14 y	2	3	4	5	2	8	7	2	2	2	0.2	0.3	0.4	0.5	0.2	0.7	0.6	0.2	0.2	0.2
15-49 y	235	241	275	245	224	234	250	199	251	233	7.6	7.7	9.0	7.9	7.4	7.7	8.4	6.7	8.4	7.7
50-59 y	648	581	569	707	635	586	648	585	593	527	86.2	76.0	73.4	89.6	78.8	71.9	79.2	71.7	73.1	64.6
60-69 y	1,286	1,301	1,279	1,782	1,523	1,321	1,260	1,110	1,108	928	234.6	226.9	214.8	290.6	246.0	207.6	196.2	171.0	168.9	139.2
70-74 y	751	729	754	1,031	665	801	711	750	729	702	365.7	366.3	386.8	528.0	334.0	389.9	317.0	313.4	291.7	272.2
75+ y	1,881	1,898	1,923	1,838	1,882	1,815	1,721	1,666	1,638	1,591	519.0	512.4	503.6	475.1	475.5	451.9	429.6	409.9	392.8	374.6
<b>Females</b>																				
All ages	3,760	3,896	3,893	4,132	3,849	3,771	3,651	3,586	3,702	3,330	28.2	29.2	29.0	31.5	28.6	27.5	26.3	25.0	25.9	23.1
0-14 y	6	2	5	7	3	4	1	4	5	8	0.6	0.2	0.5	0.7	0.3	0.4	<0.1	0.4	0.5	0.7
15-49 y	224	259	245	233	247	249	226	219	220	217	7.6	8.7	8.4	8.0	8.5	8.5	7.9	7.6	7.8	7.5
50-59 y	389	429	457	474	482	445	426	434	439	412	51.7	55.9	59.0	59.9	60.0	55.3	52.3	54.2	55.0	51.5
60-69 y	794	838	817	986	866	784	824	705	768	636	136.8	138.3	130.3	153.6	134.1	117.3	122.3	104.0	111.8	91.4
70-74 y	483	458	494	606	438	525	503	495	520	474	198.8	195.5	216.1	267.1	191.6	223.6	197.5	183.1	184.7	163.9
75+ y	1,864	1,910	1,875	1,826	1,813	1,764	1,671	1,729	1,750	1,583	306.3	309.9	300.1	293.6	285.4	276.1	260.0	266.1	270.9	244.3

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

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

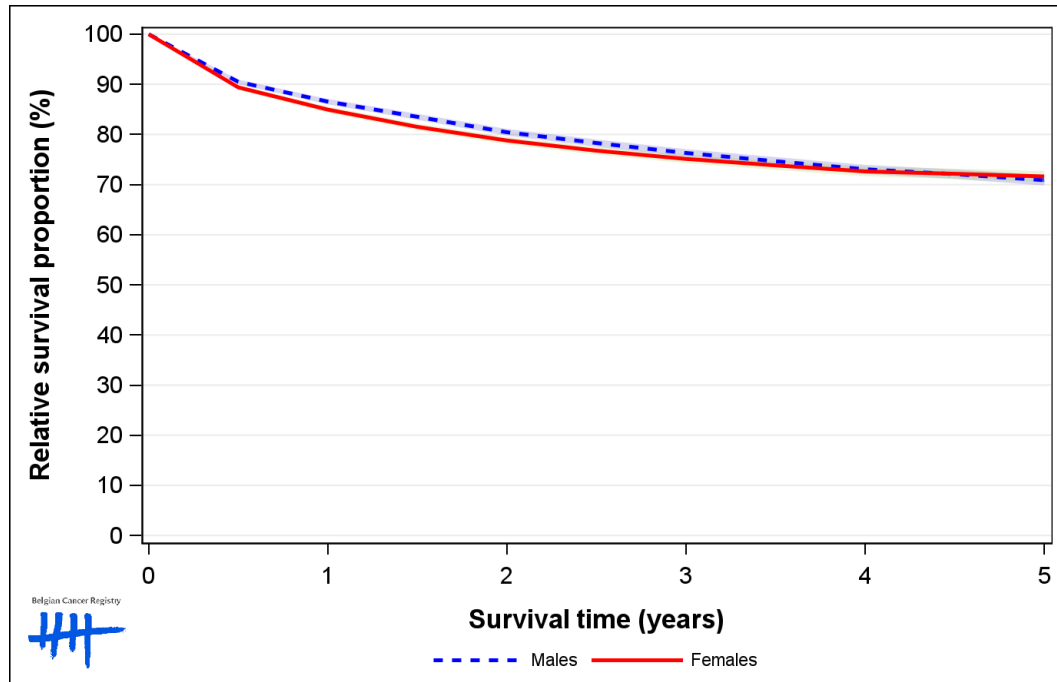


## 2. Relative survival

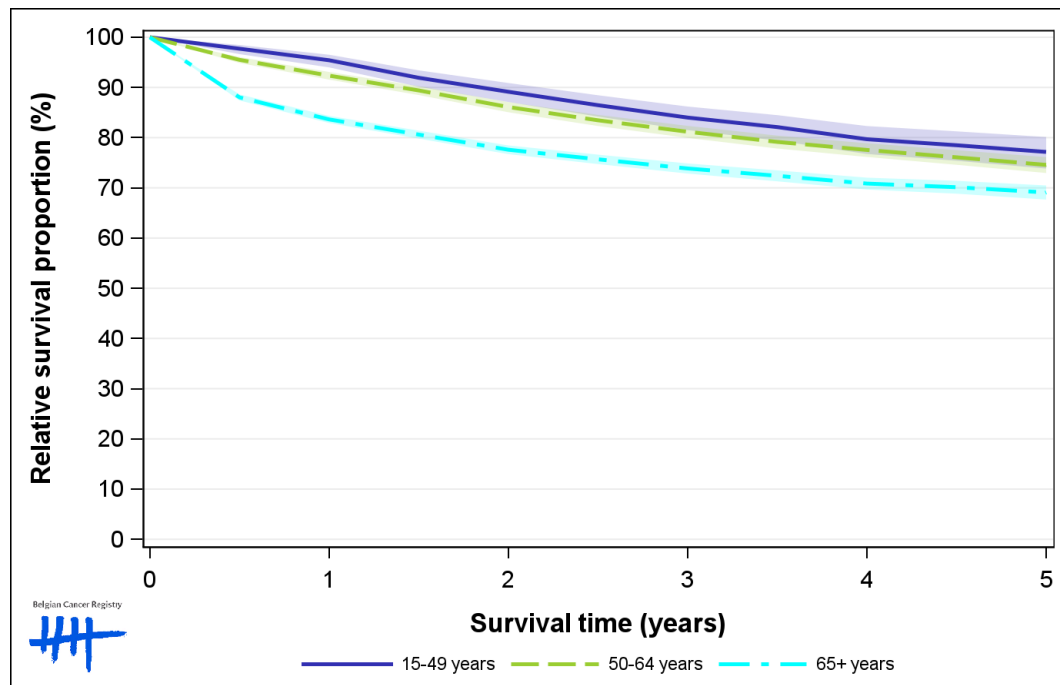
**Table 6:** Colorectal Cancer: 5-year relative survival proportion by sex, age group and region, Belgium 2016-2020

	5-year relative survival 2016-2020 (%)					
	Males			Females		
	N at risk	estimate	95% CI	N at risk	estimate	95% CI
<b>Overall</b>	21,276	70.8	[69.8, 71.9]	17,547	71.5	[70.4, 72.6]
<b>Age group</b>						
15-49 years	1,136	77.2	[73.9, 80.1]	1,114	78.8	[75.7, 81.6]
50-64 years	5,339	74.5	[72.9, 76.1]	3,737	78.5	[76.8, 80.1]
65+ years	14,803	69.0	[67.6, 70.4]	12,699	68.6	[67.2, 70.1]
<b>Region</b>						
Brussels-Capital Region	1,496	65.6	[61.6, 69.5]	1,419	68.5	[64.5, 72.4]
Flemish Region	12,907	73.3	[72.0, 74.6]	10,513	73.6	[72.2, 75.0]
Walloon Region	6,873	67.2	[65.2, 69.0]	5,615	68.3	[66.3, 70.3]

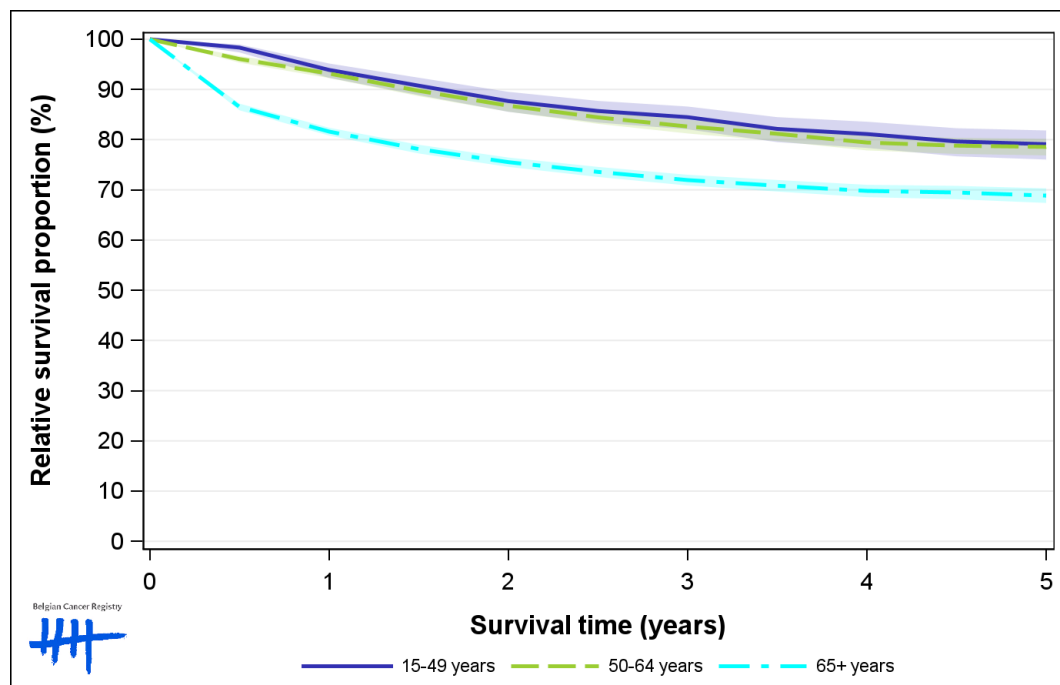
**Figure 6:** Colorectal Cancer: relative survival proportion by sex, Belgium 2016-2020



**Figure 7:** Colorectal Cancer: relative survival proportion by age group in males, Belgium 2016-2020

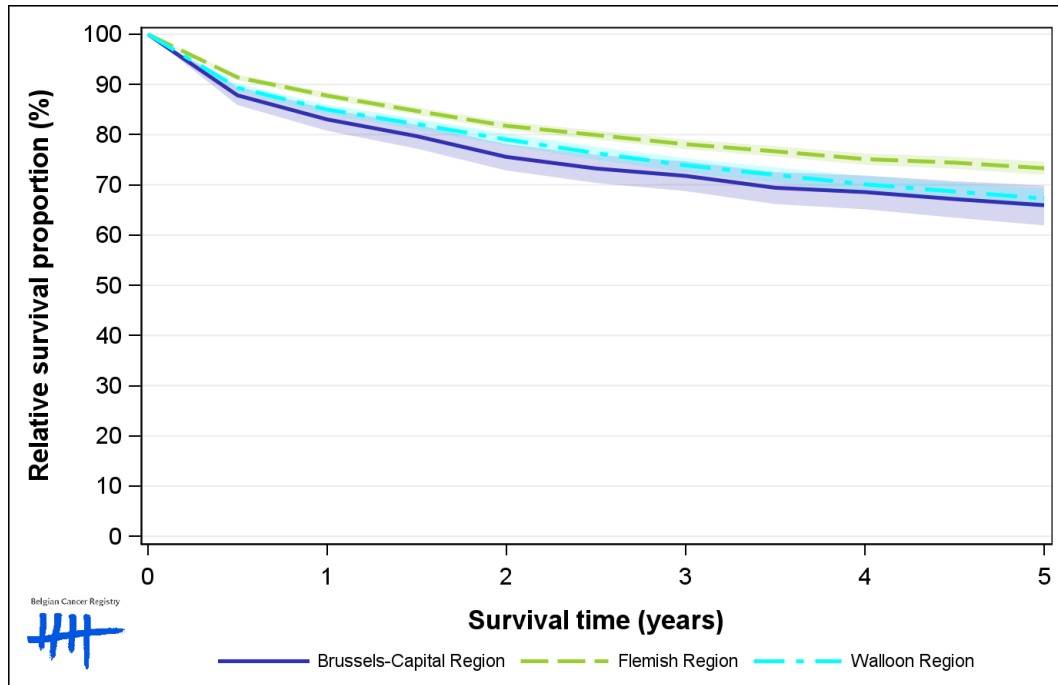


**Figure 8:** Colorectal Cancer: relative survival proportion by age group in females, Belgium 2016-2020





**Figure 9:** Colorectal Cancer: relative survival proportion by region in males, Belgium 2016-2020



**Figure 10:** Colorectal Cancer: relative survival proportion by region in females, Belgium 2016-2020

