

Belgian Cancer Registry



Cancer Fact Sheet **Colorectal Cancer**

ICD10 : C18-20

Belgium 2016

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, 2016

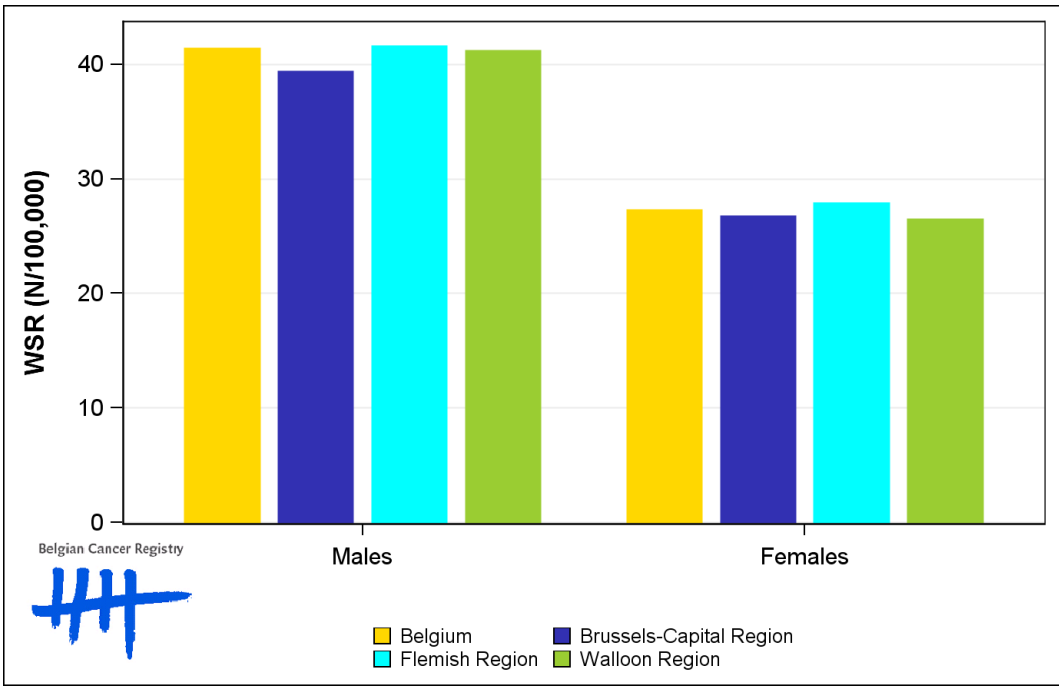
Males	Age (years)	N	CR	ESR	WSR	CRi
Belgium	70.1	4,714	85.1	61.8	41.4	4.96
Brussels-Capital Region	67.8	331	57.1	58.1	39.4	4.58
Flemish Region	70.5	2,954	92.3	62.1	41.6	5.00
Walloon Region	69.8	1,429	81.3	61.6	41.1	4.93

Females	Age (years)	N	CR	ESR	WSR	CRi
Belgium	71.5	3,754	65.5	40.2	27.3	3.15
Brussels-Capital Region	70.4	303	49.8	39.4	26.7	3.19
Flemish Region	71.7	2,291	69.9	40.9	27.9	3.18
Walloon Region	71.5	1,160	62.9	39.0	26.5	3.08

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 (%)



Figure 1: Colorectal Cancer: Age-standardised incidence rates by sex and region, 2016



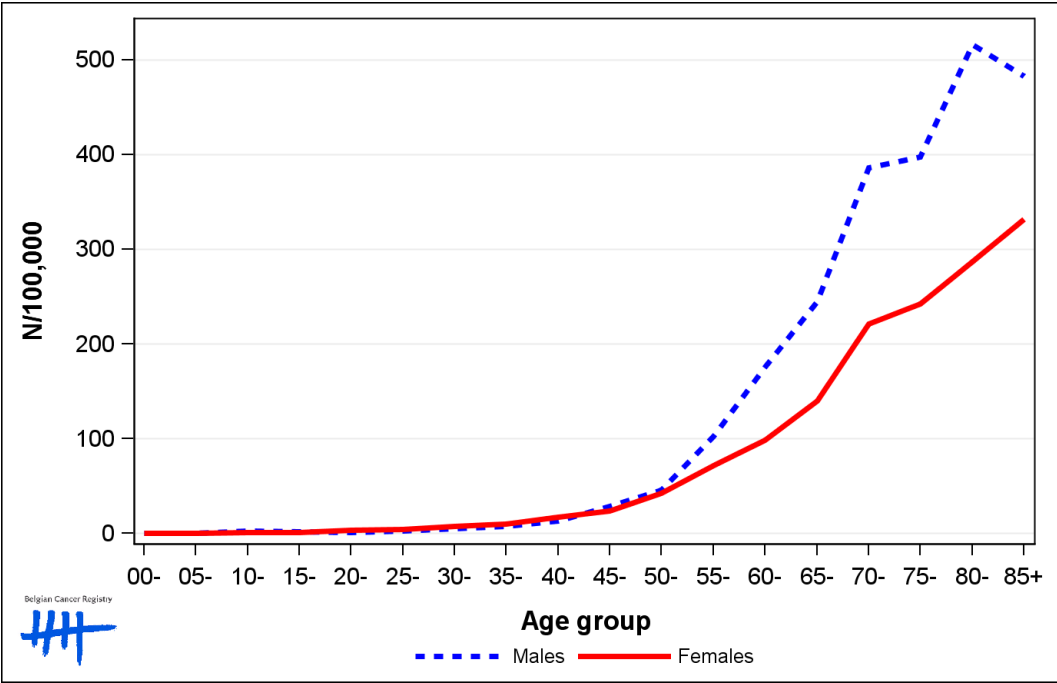
1.2. Age-specific incidence rates

Table 2: Colorectal Cancer: Age-specific incidence rates, crude rate (CR) and age-standardised incidence rates (ESR and WSR) by sex, Belgium 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	0.3	2.5	1.6	0.9	2.5	5.2	7.6	13.0	28.5	45.3	102.6	175.6	245.1	386.0	397.3	516.1	482.9	85.1	61.8	41.4
Females	0.0	0.0	1.0	0.6	3.5	4.4	7.4	9.5	17.6	23.6	42.1	71.4	98.9	139.5	221.0	242.1	287.1	331.3	65.5	40.2	27.3

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



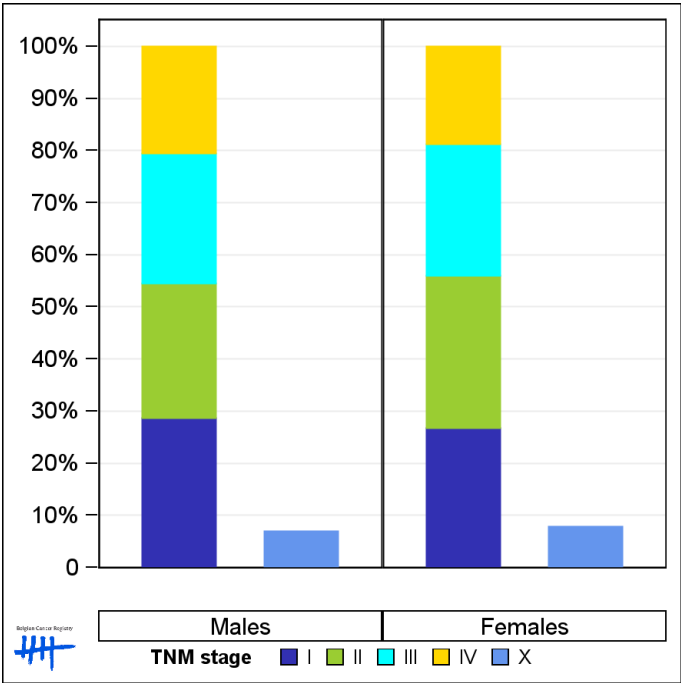
1.3. Combined stage

Table 3: Colorectal Cancer: Distribution of combined stage by sex, Belgium 2016

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
Males							
N	1,252	1,136	1,087	901	329	9	4,714
%	26.6	24.1	23.1	19.1	7.0	0.2	100
Females							
N	925	1,012	876	648	293	0	3,754
%	24.6	27.0	23.3	17.3	7.8	0.0	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: Colorectal Cancer: Bar chart of known combined stage by sex, Belgium 2016



1.4. Trends in incidence

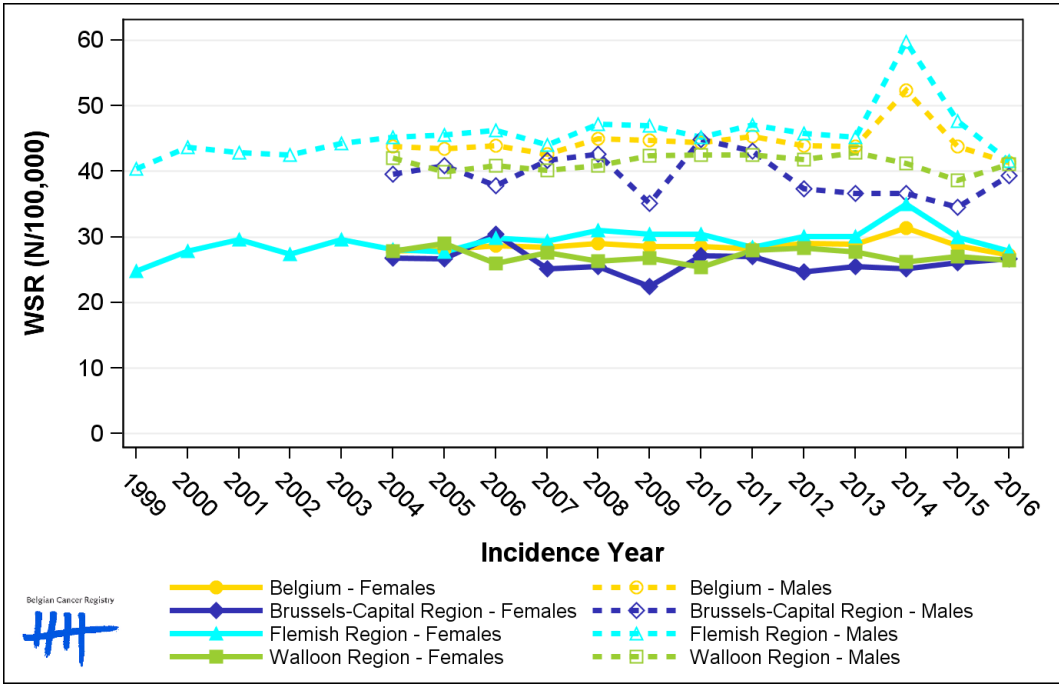
Table 4: Colorectal Cancer: Age-standardised incidence rates (WSR) and average annual percentage change (AAPC) by incidence year, sex and region

Males	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	AAPC	95% CI
Belgium			43.8	43.5	44.0	42.6	44.9	44.7	44.3	45.4	43.9	43.8	52.3	43.9	41.4	0.2	[-0.7; 1.2]
Brussels-Capital Region			39.6	40.9	37.8	41.6	42.6	35.1	44.9	43.1	37.3	36.6	36.6	34.5	39.4	-0.8	[-2.1; 0.5]
Flemish Region	42.5	44.2	45.2	45.6	46.3	44.0	47.2	47.0	45.2	47.1	45.8	45.2	59.8	47.7	41.6	0.6	[-0.4; 1.6]
Walloon Region			42.1	40.0	40.8	40.2	40.9	42.4	42.5	42.5	41.9	42.8	41.2	38.6	41.1	-0.1	[-0.6; 0.3]

Females	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	AAPC	95% CI
Belgium			27.8	28.1	28.7	28.5	29.1	28.5	28.5	28.2	29.1	28.9	31.4	28.6	27.3	0.2	[-0.3; 0.7]
Brussels-Capital Region			26.8	26.7	30.4	25.2	25.4	22.4	27.1	27.1	24.7	25.5	25.2	26.1	26.7	-0.4	[-1.5; 0.7]
Flemish Region	27.4	29.6	28.0	27.7	29.9	29.4	31.0	30.4	30.4	28.4	30.1	30.0	35.0	29.9	27.9	0.6	[-0.2; 1.3]
Walloon Region			27.9	29.0	26.0	27.6	26.4	26.8	25.4	28.0	28.3	27.7	26.2	27.0	26.5	-0.2	[-0.9; 0.4]

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



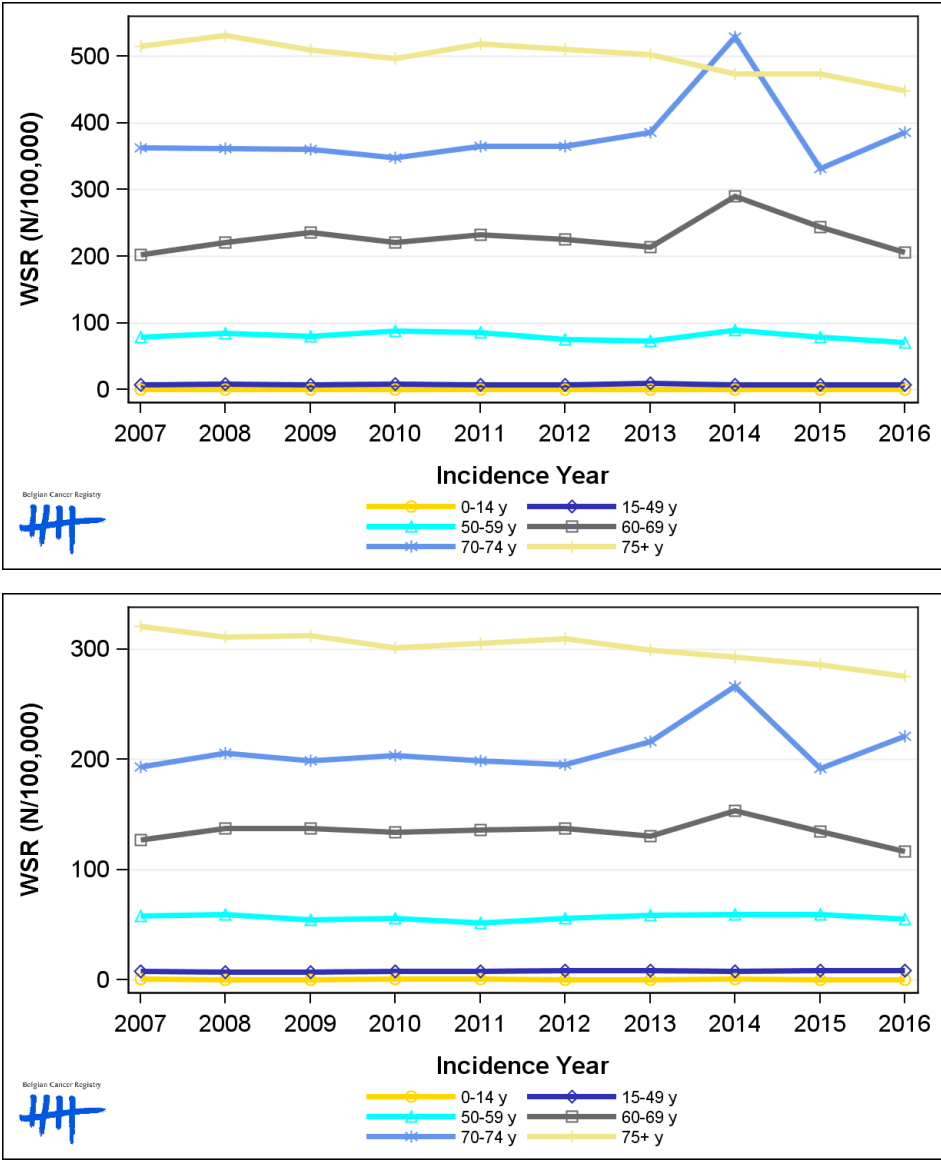
1.5. Incidence by broad age groups

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									
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Males																					
All ages	4,235	4,504	4,526	4,574	4,779	4,730	4,790	5,594	4,898	4,714		42.6	44.9	44.7	44.3	45.4	43.9	43.8	52.3	43.9	41.4
0-14 y	3	1	3	5	2	3	4	5	2	9		0.3	0.1	0.3	0.5	0.2	0.3	0.4	0.5	0.2	0.8
15-49 y	234	248	215	244	230	238	275	242	221	227		7.5	8.0	7.1	7.9	7.4	7.7	9.0	7.8	7.3	7.5
50-59 y	561	612	590	654	643	577	566	703	631	577		78.4	84.9	80.5	88.4	85.5	75.4	73.0	89.1	78.3	70.8
60-69 y	1,010	1,126	1,223	1,173	1,277	1,295	1,272	1,779	1,509	1,307		202.9	221.2	235.7	220.8	232.9	225.8	213.6	290.0	243.8	205.4
70-74 y	745	741	745	721	749	727	752	1,032	660	793		363.0	362.1	361.1	348.1	364.8	365.3	385.7	528.5	331.5	386.0
75+ y	1,682	1,776	1,750	1,777	1,878	1,890	1,921	1,833	1,875	1,801		515.4	531.4	509.6	496.6	518.2	510.2	503.0	473.7	473.7	448.4
Females																					
All ages	3,640	3,706	3,723	3,732	3,752	3,888	3,882	4,120	3,852	3,754		28.5	29.1	28.5	28.5	28.2	29.1	28.9	31.4	28.6	27.3
0-14 y	6	4	4	9	6	2	5	7	3	3		0.6	0.4	0.4	0.9	0.6	0.2	0.5	0.7	0.3	0.3
15-49 y	235	221	217	223	224	258	243	232	247	249		7.9	7.4	7.3	7.6	7.6	8.7	8.3	8.0	8.5	8.5
50-59 y	413	425	395	416	389	427	456	469	478	444		57.9	59.3	54.6	55.9	51.7	55.6	58.8	59.3	59.6	55.1
60-69 y	685	751	763	756	791	835	817	984	869	778		127.3	137.7	137.8	133.9	136.3	137.8	130.3	153.3	134.7	116.3
70-74 y	483	506	490	502	482	458	494	605	439	519		193.3	205.9	199.0	203.9	198.4	195.5	216.1	266.7	192.0	221.0
75+ y	1,818	1,799	1,854	1,826	1,860	1,908	1,867	1,823	1,816	1,761		320.7	310.8	312.6	301.2	305.5	309.7	298.9	293.1	285.9	275.6

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 2012-2016

5-year relative survival 2012-2016 (%)						
	Males			Females		
	N at risk	estimate	95% CI	N at risk	estimate	95% CI
Overall	23,860	70.5	[69.6, 71.5]	18,941	69.6	[68.6, 70.7]
Age group						
15-49 years	1,172	75.6	[72.5, 78.5]	1,205	79.4	[76.6, 82.0]
50-64 years	6,036	74.0	[72.5, 75.5]	4,115	75.7	[74.0, 77.4]
65+ years	16,658	68.8	[67.6, 70.1]	13,627	66.7	[65.5, 68.1]
Region						
Brussels-Capital Region	1,499	65.8	[61.9, 69.6]	1,443	68.3	[64.3, 72.2]
Flemish Region	15,700	72.8	[71.7, 74.0]	11,827	72.1	[70.8, 73.4]
Walloon Region	6,662	65.9	[64.1, 67.8]	5,671	64.7	[62.8, 66.7]

Figure 6: Colorectal Cancer: relative survival proportion by sex, Belgium 2012-2016

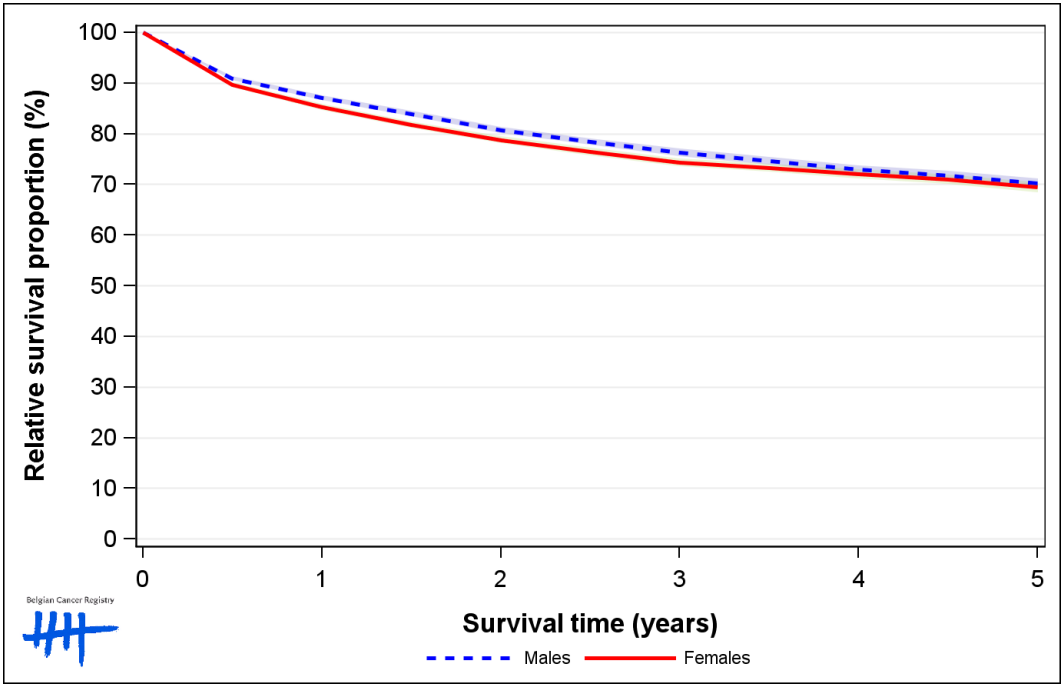


Figure 7: Colorectal Cancer: relative survival proportion by age group in males, Belgium 2012-2016

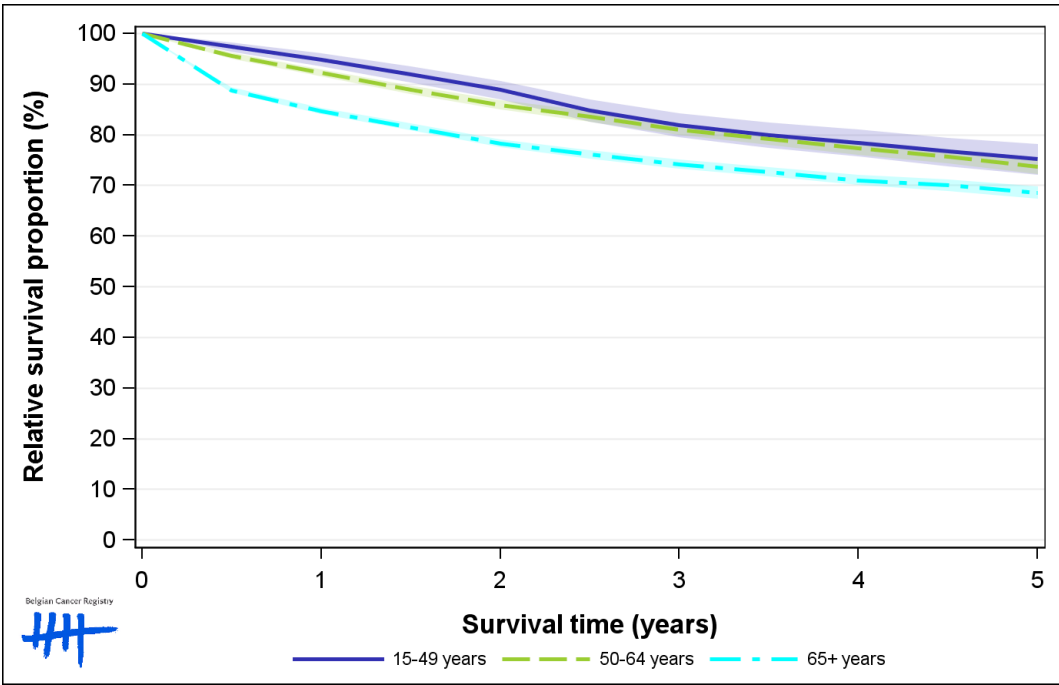


Figure 8: Colorectal Cancer: relative survival proportion by age group in females, Belgium 2012-2016

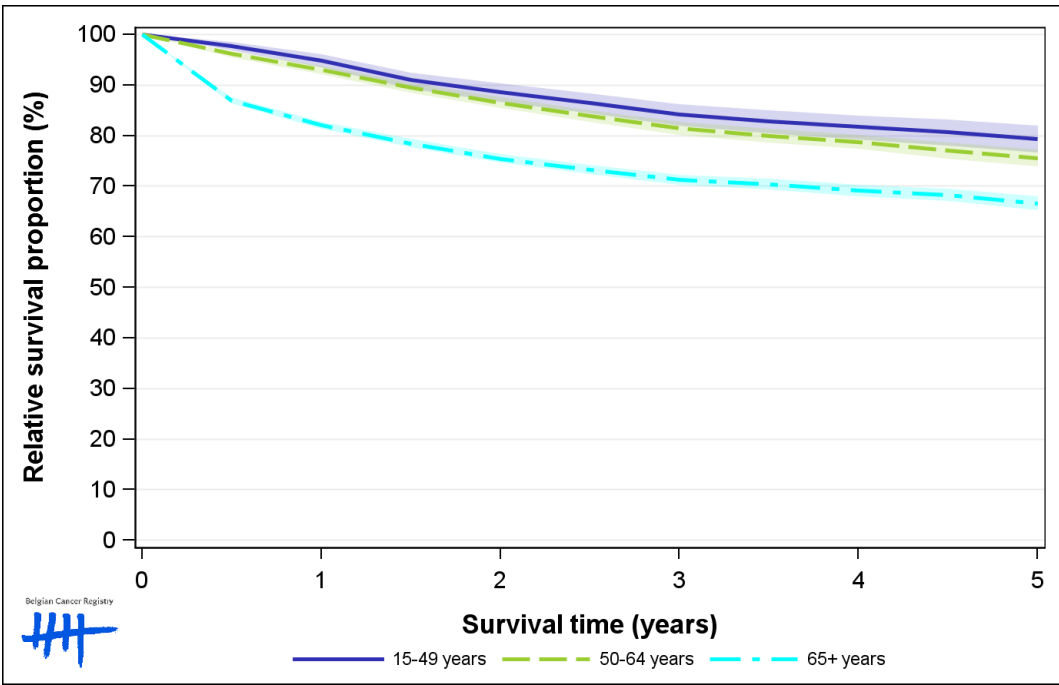


Figure 9: Colorectal Cancer: relative survival proportion by region in males, Belgium 2012-2016

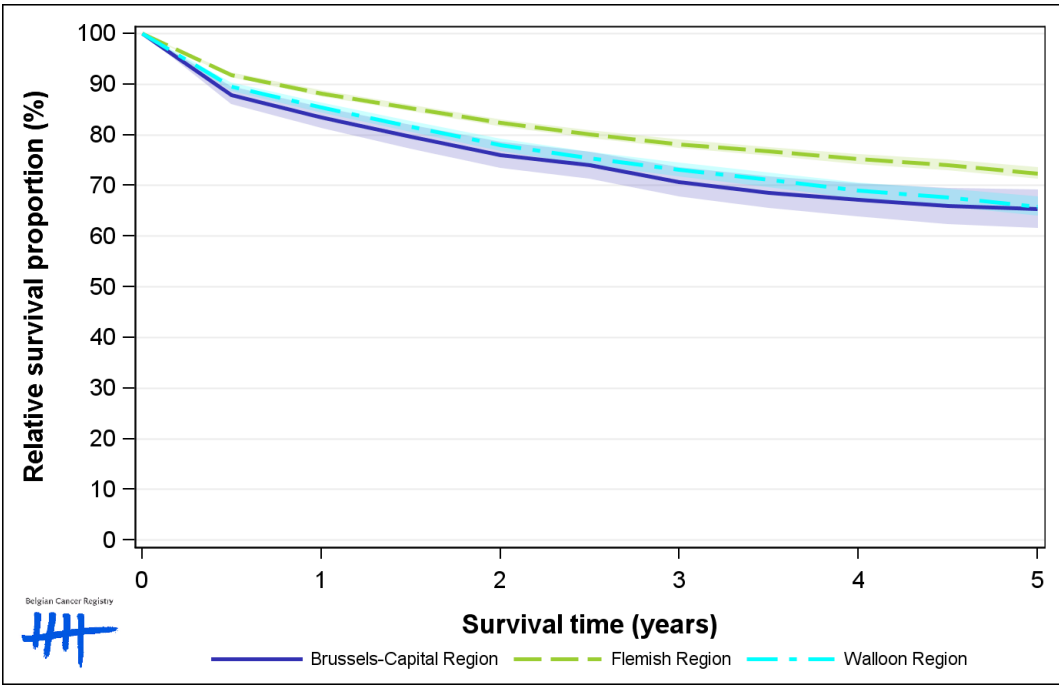


Figure 10: Colorectal Cancer: relative survival proportion by region in females, Belgium 2012-2016

