

Belgian Cancer Registry



Cancer Fact Sheet **Colorectal Cancer**

ICD10 : C18-20

Belgium 2022

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, 2022

Males	Age (years)	N	CR	ESR	WSR	CRi
Belgium	70.1	4,268	74.8	80.4	34.4	3.88
Brussels-Capital Region	68.4	324	54.0	84.6	35.4	4.08
Flemish Region	70.9	2,494	75.2	75.2	32.1	3.54
Walloon Region	69.2	1,450	80.9	89.8	38.9	4.51

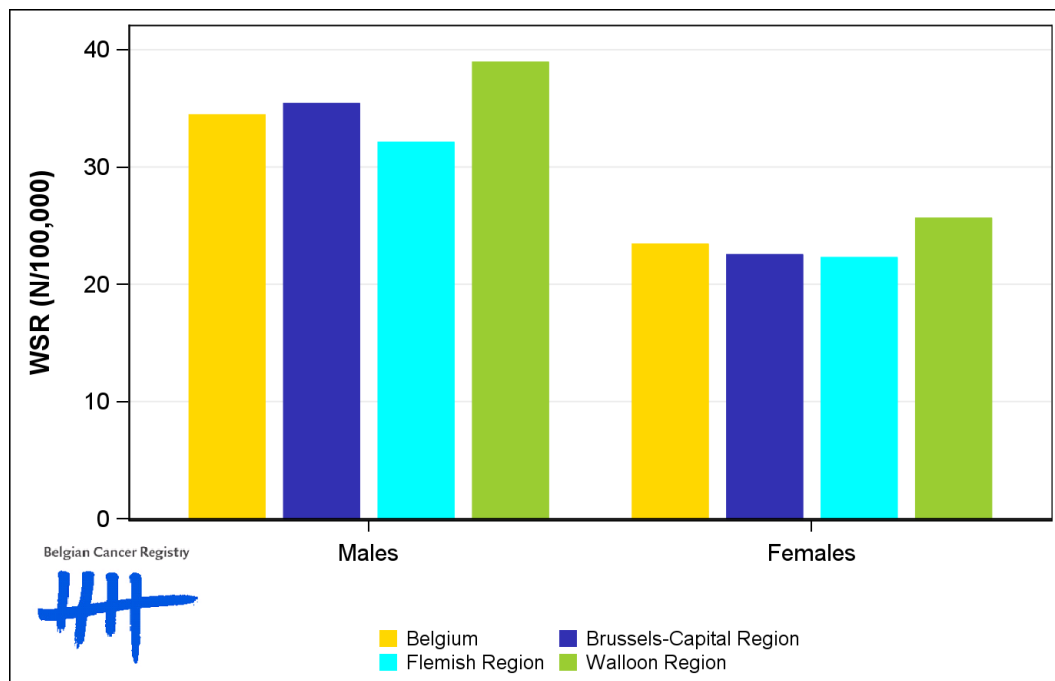
Females	Age (years)	N	CR	ESR	WSR	CRi
Belgium	71.7	3,437	58.5	53.2	23.4	2.54
Brussels-Capital Region	69.7	267	42.9	51.4	22.5	2.39
Flemish Region	72.2	1,989	58.8	50.7	22.3	2.39
Walloon Region	71.4	1,181	63.1	58.2	25.6	2.82

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 (%)

Belgian Cancer Registry



Figure 1: Colorectal Cancer: Age-standardised incidence rates by sex and region, 2022



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 2022

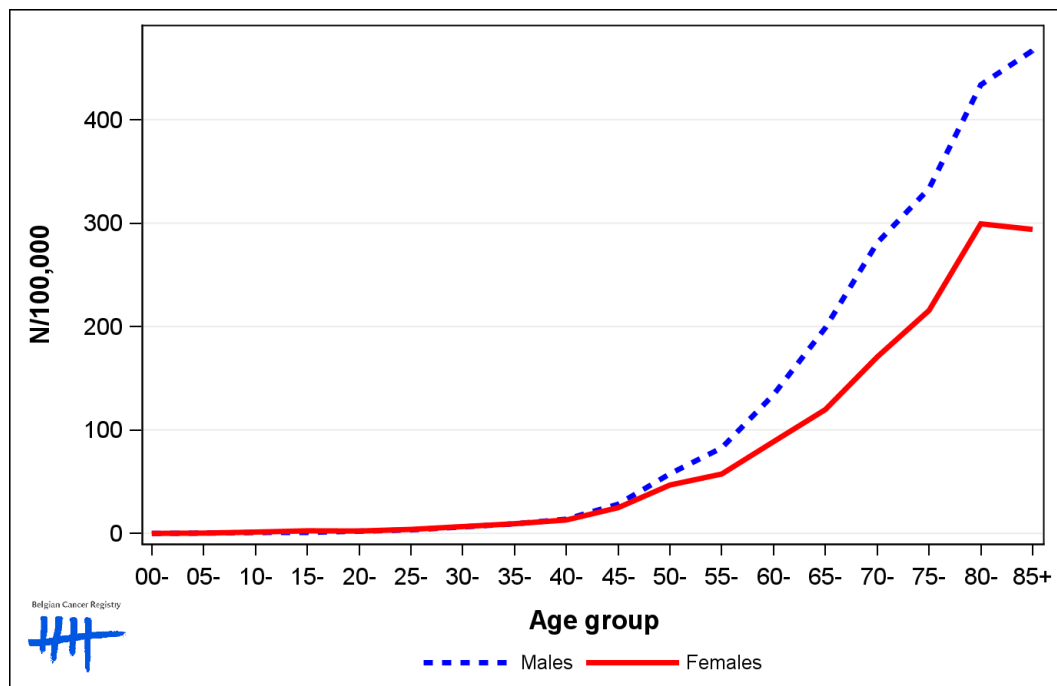
	00-	05-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	CR	ESR	WSR
Males	0.0	0.6	1.1	1.5	3.5	3.3	4.4	9.7	15.8	29.9	54.0	79.9	136.0	196.8	255.7	314.9	417.9	482.0	74.8	80.4	34.4
Females	0.0	0.0	1.5	3.5	0.9	3.3	6.0	10.5	16.9	26.7	40.1	56.2	82.3	107.9	157.8	220.3	297.4	280.1	58.5	53.2	23.4

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: Colorectal Cancer: Age-specific incidence rates by sex, 2018-2022



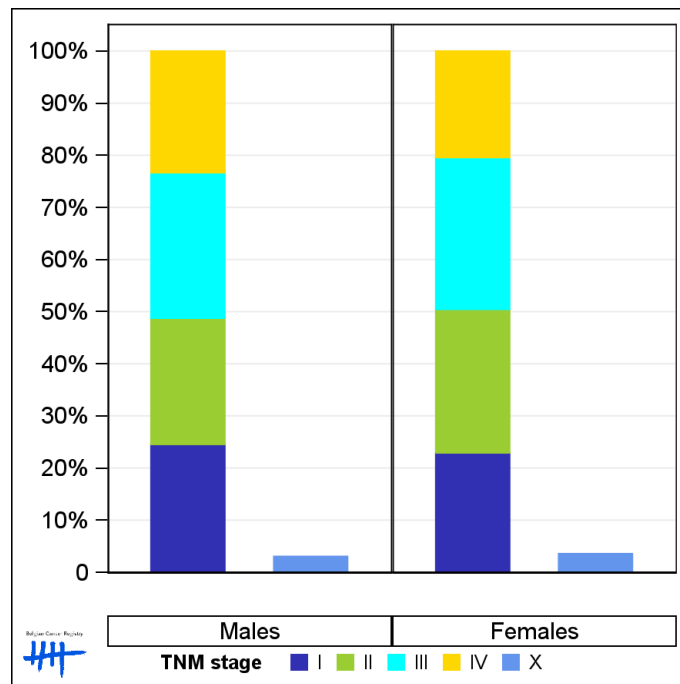
1.3. Combined stage

Table 3: Colorectal Cancer: Distribution of combined stage by sex, Belgium 2022

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
Males							
N	1,011	998	1,151	960	129	19	4,268
%	23.7	23.4	27.0	22.5	3.0	0.4	100
Females							
N	756	908	960	673	122	18	3,437
%	22.0	26.4	27.9	19.6	3.5	0.5	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 2022



1.4. Trends in incidence

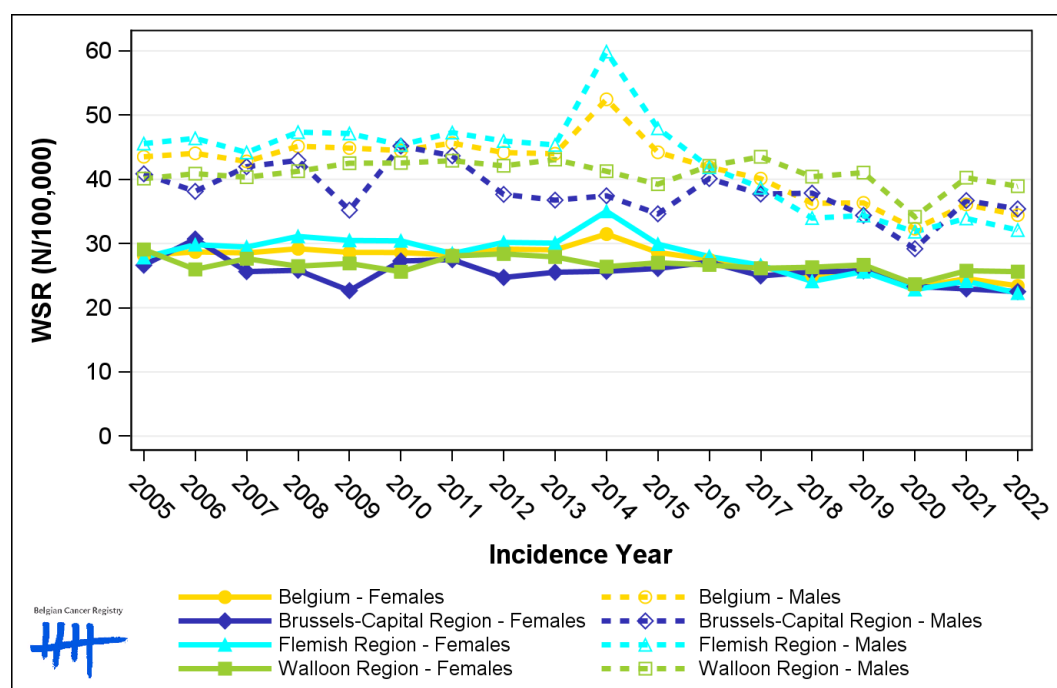
Table 4: Colorectal Cancer: Age-standardised incidence rates (WSR) and average annual percentage change (AAPC) by incidence year, sex and region

Males	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	AAPC	95% CI
Belgium	45.2	44.9	44.5	45.6	44.2	44.0	52.5	44.2	41.9	40.1	36.3	36.3	32.3	36.1	34.4	-2.2	[-3.0; -1.5]
Brussels-Capital Region	43.0	35.2	45.2	43.7	37.7	36.8	37.4	34.6	40.1	37.7	37.9	34.4	29.2	36.7	35.4	-1.5	[-2.6; -0.3]
Flemish Region	47.4	47.1	45.4	47.3	46.0	45.4	59.9	48.0	41.9	38.7	34.0	34.4	31.8	33.9	32.1	-3.1	[-4.1; -2.0]
Walloon Region	41.3	42.5	42.6	42.9	42.1	43.1	41.3	39.2	42.1	43.5	40.4	41.0	34.2	40.3	38.9	-0.7	[-1.4; -0.1]

Females	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	AAPC	95% CI
Belgium	29.2	28.6	28.6	28.2	29.1	29.0	31.5	28.6	27.5	26.3	25.0	26.0	23.2	24.5	23.4	-1.5	[-2.0; -1.1]
Brussels-Capital Region	25.8	22.7	27.3	27.5	24.7	25.5	25.7	26.1	27.1	25.0	25.6	25.8	23.3	22.9	22.5	-0.7	[-1.4; -0.1]
Flemish Region	31.1	30.5	30.4	28.4	30.2	30.1	35.0	29.9	28.0	26.6	24.1	25.6	22.8	24.1	22.3	-2.2	[-2.9; -1.5]
Walloon Region	26.5	26.9	25.6	28.1	28.4	27.9	26.4	27.0	26.7	26.2	26.3	26.7	23.7	25.8	25.6	-0.4	[-0.9; 0.1]

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



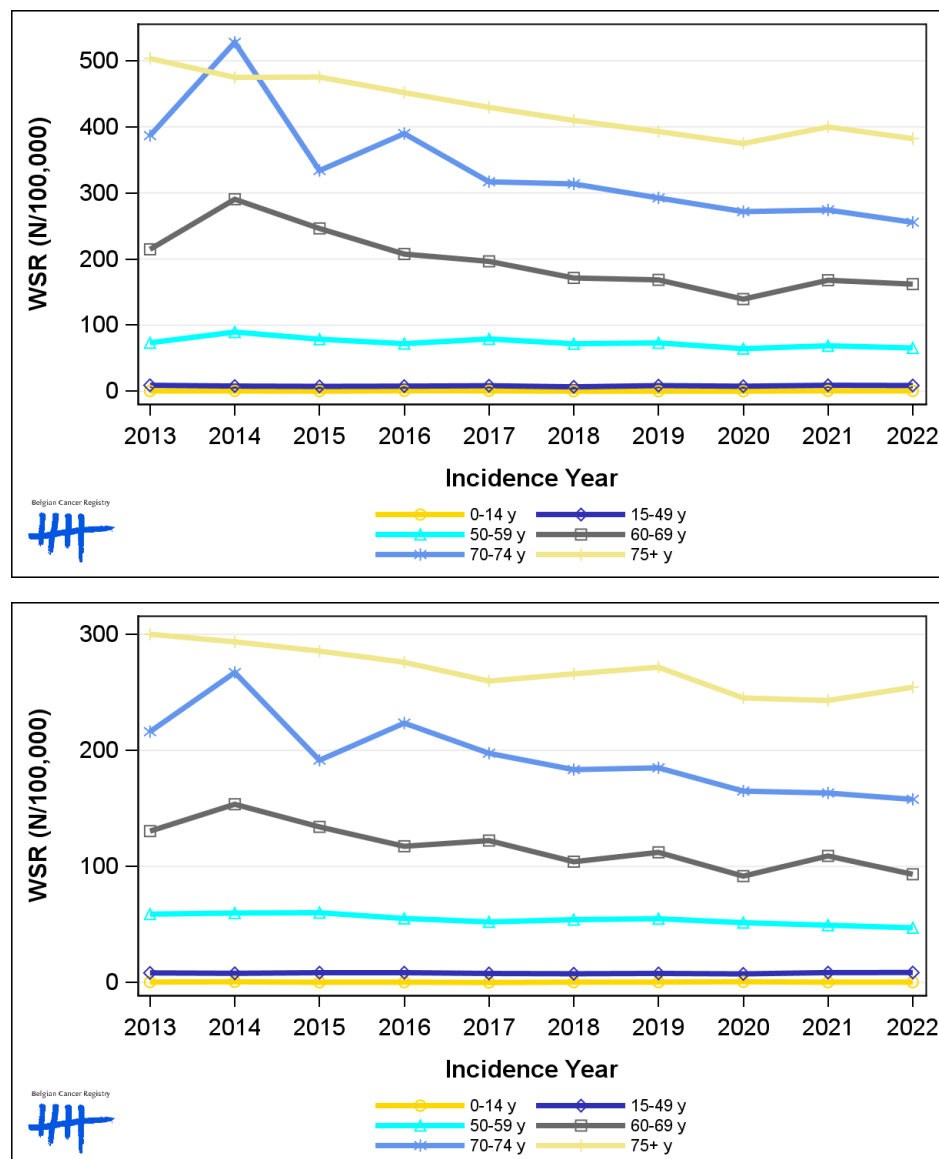
1.5. Incidence by broad age groups

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									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Males																				
All ages	4,804	5,608	4,933	4,768	4,598	4,317	4,326	3,983	4,392	4,268	44.0	52.5	44.2	41.9	40.1	36.3	36.3	32.3	36.1	34.4
0-14 y	4	5	2	8	7	2	2	2	8	6	0.4	0.5	0.2	0.7	0.6	0.2	0.2	0.2	0.7	0.5
15-49 y	275	245	224	236	249	199	254	232	268	254	9.0	7.9	7.4	7.8	8.4	6.7	8.5	7.7	9.1	8.7
50-59 y	569	707	635	587	648	586	594	526	566	537	73.4	89.6	78.8	72.0	79.2	71.8	73.2	64.5	68.8	65.5
60-69 y	1,279	1,782	1,525	1,321	1,262	1,113	1,106	930	1,139	1,117	214.8	290.6	246.4	207.6	196.6	171.5	168.6	139.5	168.0	162.1
70-74 y	754	1,031	665	801	711	751	731	701	727	675	386.8	528.0	334.0	389.9	317.0	313.8	292.5	271.8	274.3	255.7
75+ y	1,923	1,838	1,882	1,815	1,721	1,666	1,639	1,592	1,684	1,679	503.6	475.1	475.5	451.9	429.6	409.8	393.0	374.9	400.0	382.4
Females																				
All ages	3,894	4,132	3,852	3,771	3,650	3,588	3,712	3,343	3,480	3,437	29.0	31.5	28.6	27.5	26.3	25.0	26.0	23.2	24.5	23.4
0-14 y	5	7	3	4	1	4	5	8	4	5	0.5	0.7	0.3	0.4	<0.1	0.4	0.5	0.7	0.4	0.4
15-49 y	245	233	247	249	226	219	222	217	247	250	8.4	8.0	8.5	8.5	7.9	7.6	7.9	7.5	8.6	8.7
50-59 y	457	474	483	445	426	434	439	413	393	379	59.0	59.9	60.2	55.3	52.3	54.2	55.0	51.6	49.4	47.2
60-69 y	818	986	866	785	824	706	771	638	770	669	130.5	153.6	134.1	117.4	122.3	104.1	112.2	91.7	109.1	93.3
70-74 y	494	606	438	525	503	496	521	477	484	466	216.1	267.1	191.6	223.6	197.5	183.5	185.0	165.0	163.3	157.8
75+ y	1,875	1,826	1,815	1,763	1,670	1,729	1,754	1,590	1,582	1,668	300.1	293.6	285.6	276.0	259.8	266.0	271.7	245.2	243.0	254.5

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. Net survival

Table 6: Colorectal Cancer: 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
Overall	20,641	69.8	[68.6, 71.0]	17,080	71.0	[69.6, 72.4]
Age group						
15-49 years	1,175	76.2	[73.1, 79.4]	1,136	80.0	[77.2, 82.9]
50-64 years	5,087	74.3	[72.7, 75.9]	3,614	76.7	[74.9, 78.4]
65+ years	14,381	67.7	[66.1, 69.3]	12,334	68.5	[66.8, 70.3]
Region						
Brussels-Capital Region	1,475	62.6	[58.2, 67.4]	1,354	69.4	[64.9, 74.2]
Flemish Region	12,299	71.7	[70.2, 73.3]	10,115	72.6	[70.8, 74.4]
Walloon Region	6,867	67.9	[65.7, 70.1]	5,611	68.5	[66.3, 70.8]

Figure 6: Colorectal Cancer: net survival by sex, Belgium 2018-2022

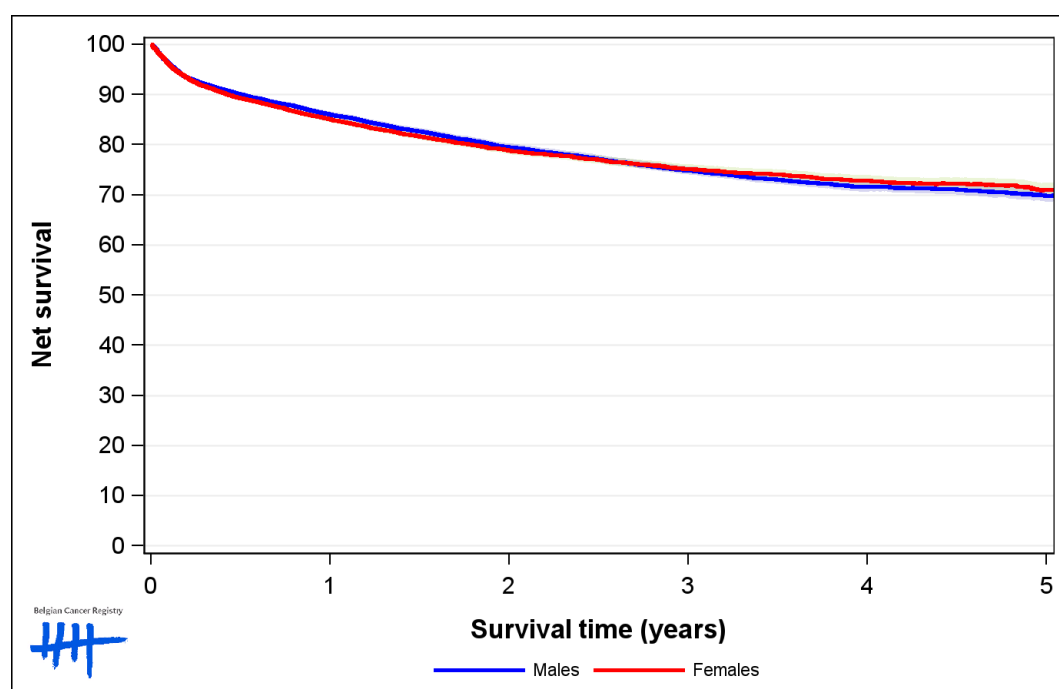


Figure 7: Colorectal Cancer: net survival by age group in males, Belgium 2018-2022

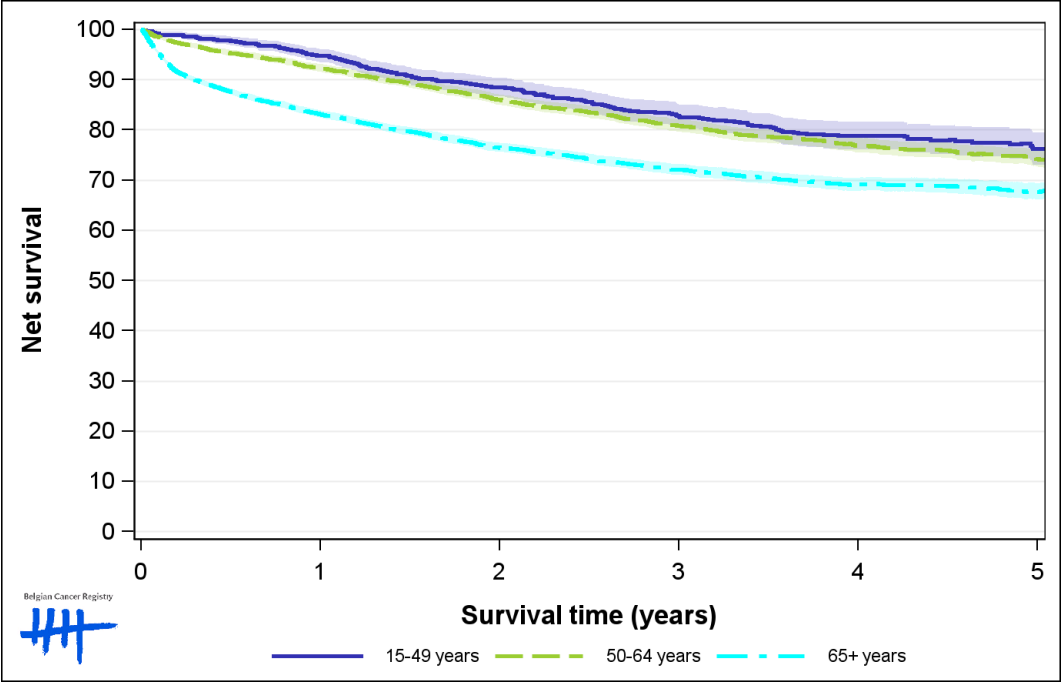


Figure 8: Colorectal Cancer: net survival by age group in females, Belgium 2018-2022

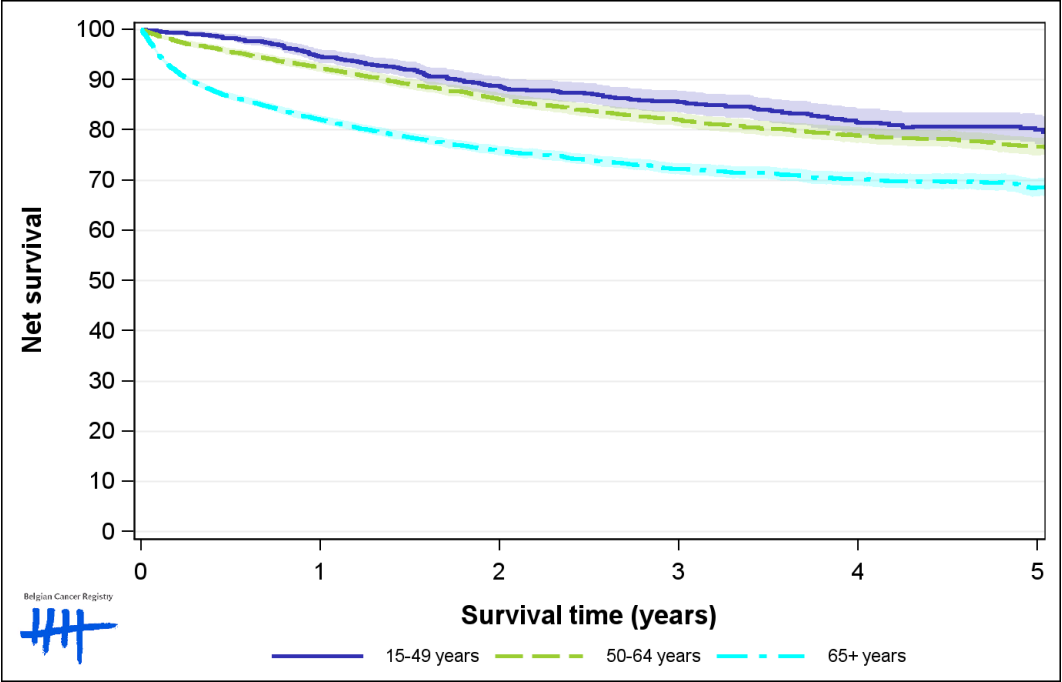


Figure 9: Colorectal Cancer: net survival by region in males, Belgium 2018-2022

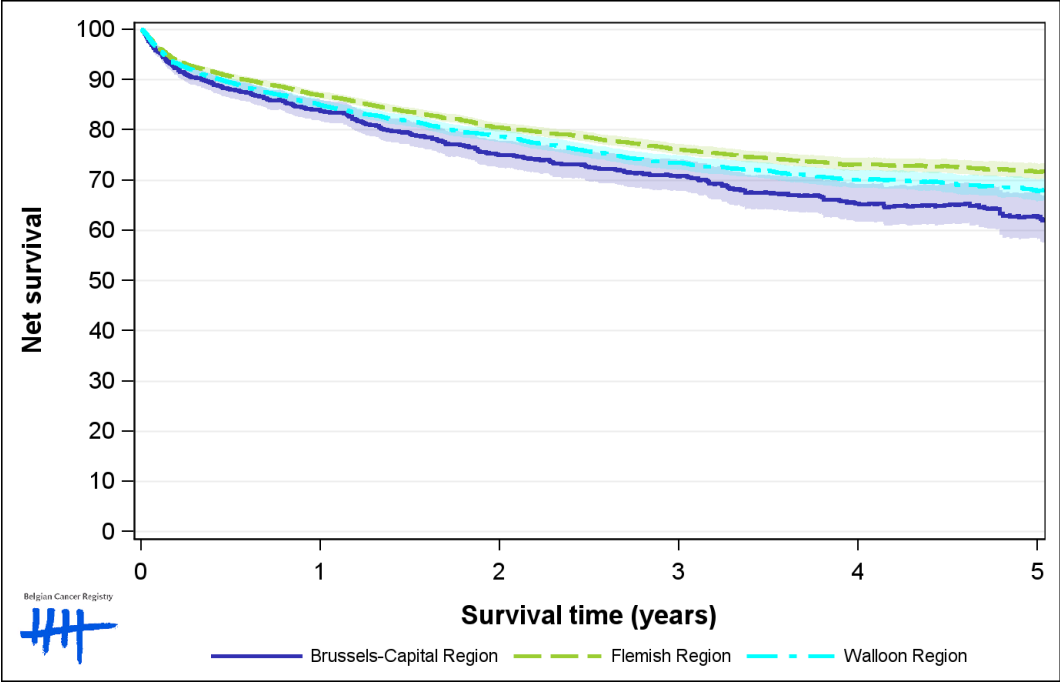


Figure 10: Colorectal Cancer: net survival by region in females, Belgium 2018-2022

