

Cancer Fact Sheet

Melanoma

ICD10 : C43

Belgium 2019

1. Cancer Incidence

1.1. Number of new diagnoses and incidence rates

Table 1: Melanoma: 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, 2019

Males	Age (years)	N	CR	ESR	WSR	CRI
Belgium	63.3	1,656	29.4	23.0	16.6	1.87
Brussels-Capital Region	65.1	91	15.4	15.0	10.3	1.22
Flemish Region	63.5	1,078	33.1	24.8	17.9	1.99
Walloon Region	62.4	487	27.4	22.1	16.1	1.83

Females	Age (years)	N	CR	ESR	WSR	CRI
Belgium	58.2	2,070	35.7	29.7	23.0	2.36
Brussels-Capital Region	63.2	119	19.3	17.1	12.6	1.38
Flemish Region	58.0	1,403	42.1	34.7	27.0	2.75
Walloon Region	57.5	548	29.5	24.9	19.4	1.98

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)

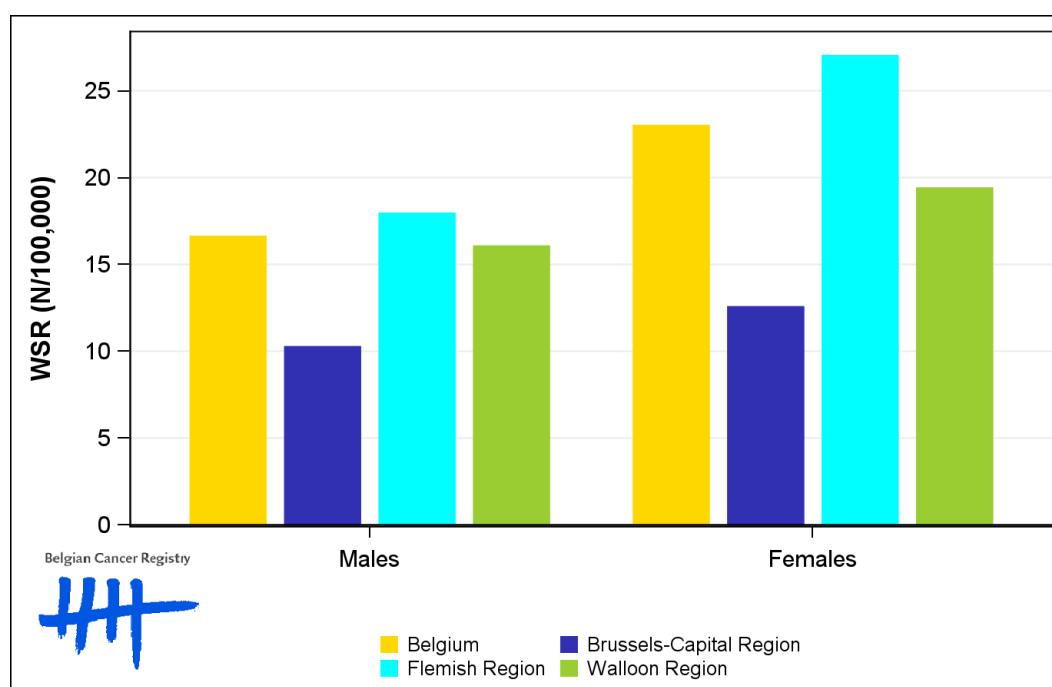
WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)

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

Belgian Cancer Registry



Figure 1: Melanoma: Age-standardised incidence rates by sex and region, 2019



1.2. Age-specific incidence rates

Table 2: Melanoma: Age-specific incidence rates, crude rate (CR) and age-standardised incidence rates (ESR and WSR) by sex, Belgium 2019

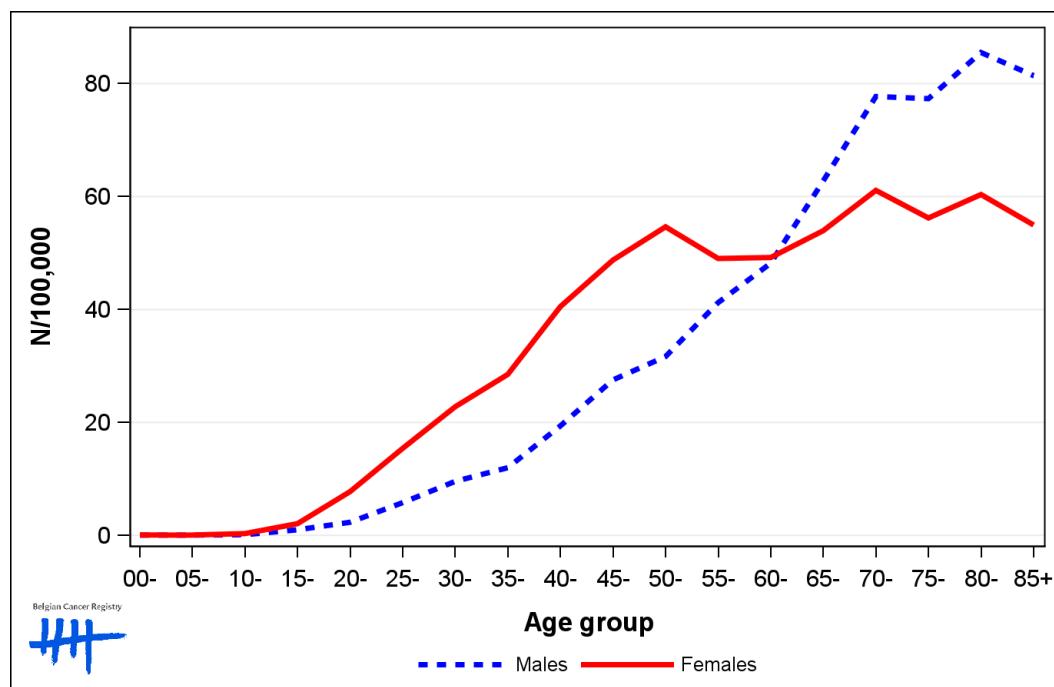
	00-	05-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	CR	ESR	WSR
Males	0.0	0.0	0.3	0.6	2.4	5.9	8.2	14.4	19.6	24.4	42.6	48.5	49.4	67.7	93.2	88.9	114.4	93.8	29.4	23.0	16.6
Females	0.0	0.0	0.3	1.6	7.0	15.1	23.4	30.0	40.3	55.0	63.8	58.2	56.3	62.8	64.3	62.1	58.4	57.3	35.7	29.7	23.0

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: Melanoma: Age-specific incidence rates by sex, 2015-2019



1.3. Combined stage

Table 3: Melanoma: Distribution of combined stage by sex, Belgium 2019

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
Males							
N	1,181	257	112	41	11	54	1,656
%	71.3	15.5	6.8	2.5	0.7	3.3	100
Females							
N	1,627	277	91	20	25	30	2,070
%	78.6	13.4	4.4	1.0	1.2	1.4	100

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

TNM classification of malignant tumours, UICC 8th edition)

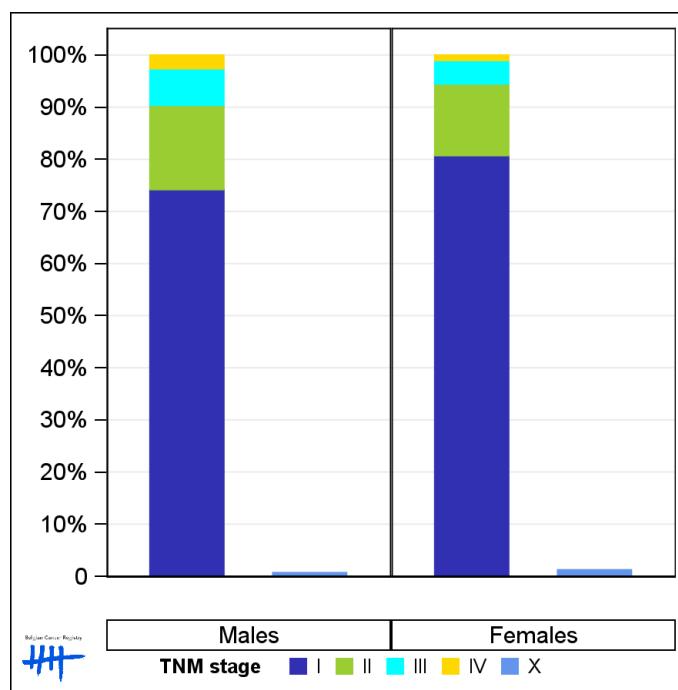
Combined TNM stage : compilation of pathological (pTNM) and clinical (cTNM) stage. pTNM

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: Melanoma: Bar chart of known combined stage by sex, Belgium 2019



1.4. Trends in incidence

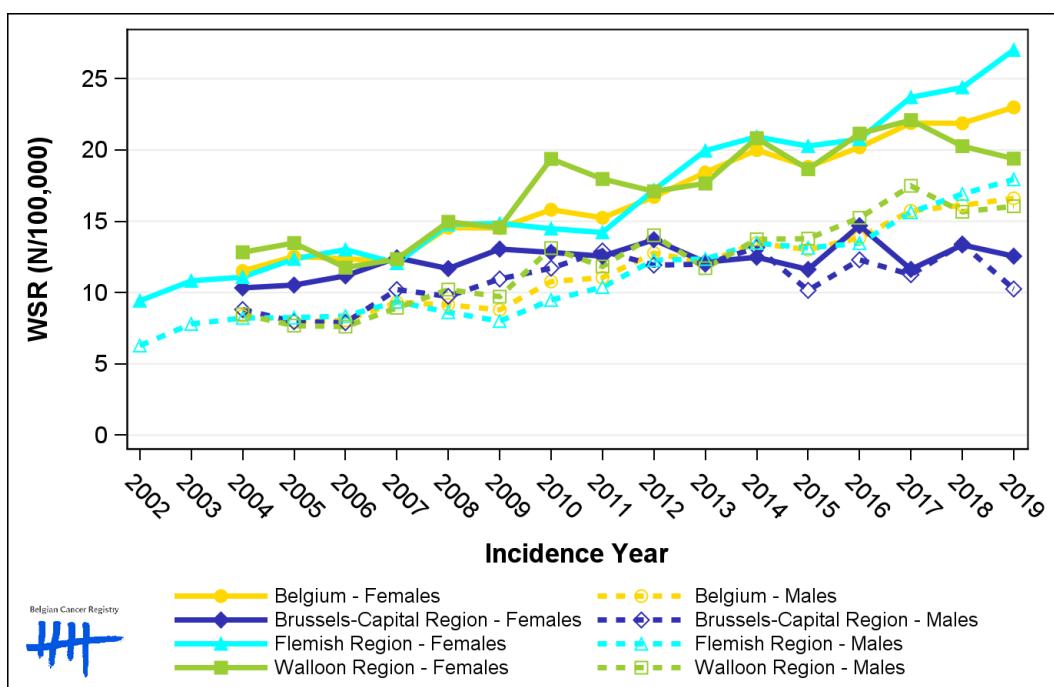
Table 4: Melanoma: Age-standardised incidence rates (WSR) and average annual percentage change (AAPC) by incidence year, sex and region

Males	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	AAPC	95% CI
Belgium	8.0	8.1	9.3	9.1	8.8	10.8	11.0	12.8	12.1	13.5	13.0	13.8	15.7	16.1	16.6	5.6	[4.9; 6.3]
Brussels-Capital Region	8.0	7.9	10.2	9.7	11.0	11.7	12.9	11.9	12.0	13.2	10.2	12.3	11.3	13.4	10.3	2.5	[1.4; 3.7]
Flemish Region	8.2	8.4	9.4	8.6	8.0	9.5	10.4	12.3	12.4	13.5	13.1	13.5	15.6	16.9	17.9	5.6	[4.7; 6.5]
Walloon Region	7.7	7.6	8.9	10.2	9.7	13.1	11.8	14.0	11.7	13.7	13.8	15.2	17.5	15.7	16.1	6.1	[5.0; 7.2]
Females	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	AAPC	95% CI
Belgium	12.5	12.4	12.2	14.6	14.5	15.8	15.3	16.7	18.4	20.0	18.8	20.2	21.9	21.9	23.0	4.9	[4.3; 5.5]
Brussels-Capital Region	10.5	11.2	12.4	11.7	13.1	12.8	12.6	13.7	12.1	12.5	11.6	14.7	11.6	13.3	12.6	1.2	[0.3; 2.2]
Flemish Region	12.4	13.0	12.1	14.8	14.9	14.5	14.2	17.2	20.0	20.9	20.3	20.8	23.7	24.4	27.0	5.9	[5.0; 6.8]
Walloon Region	13.5	11.8	12.4	15.0	14.6	19.4	18.0	17.1	17.7	20.8	18.7	21.1	22.1	20.3	19.4	4.0	[2.8; 5.2]

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

AAPC = Average Annual Percentage Change over the 2005-2019 period

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



1.5. Incidence by broad age groups

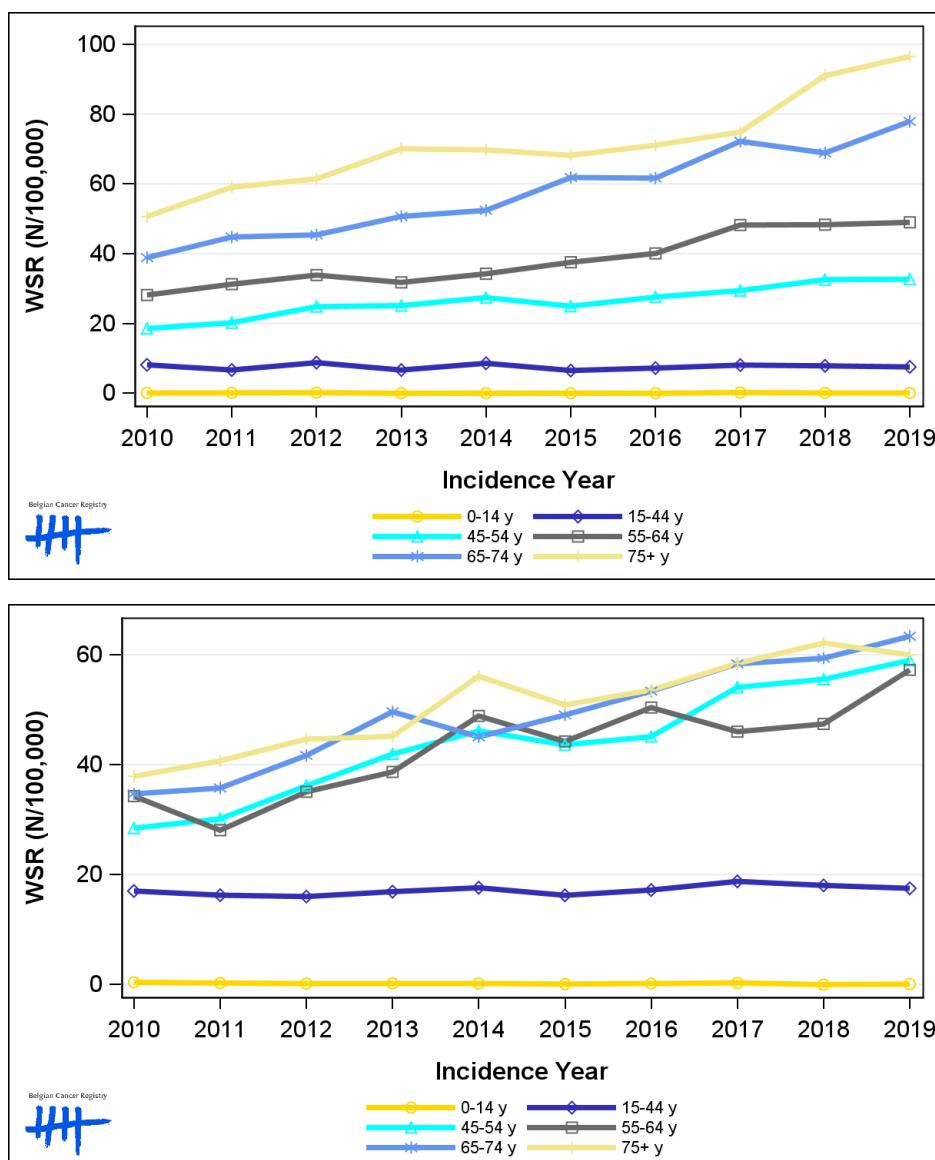
Table 5: Melanoma: Number of new diagnoses and age-standardised incidence rates (WSR) by broad age groups and incidence year by sex, Belgium

	N										WSR									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Males																				
All ages	880	940	1,083	1,088	1,187	1,196	1,278	1,458	1,544	1,656	10.8	11.0	12.8	12.1	13.5	13.0	13.8	15.7	16.1	16.6
0-14 y	1	1	2	0	0	0	0	2	1	1	<0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.2	<0.1	<0.1
15-44 y	197	165	222	164	212	162	178	201	193	188	8.1	6.7	8.8	6.7	8.6	6.5	7.2	8.1	7.9	7.6
45-54 y	148	164	203	208	224	205	224	237	263	269	18.5	20.2	24.8	25.1	27.4	24.9	27.6	29.4	32.6	32.7
55-64 y	184	208	226	216	235	261	282	347	353	365	28.2	31.3	33.9	31.8	34.2	37.5	40.1	48.2	48.3	49.0
65-74 y	171	194	206	235	249	301	310	376	372	435	38.9	44.8	45.4	50.7	52.4	61.8	61.7	72.2	68.9	77.9
75+ y	179	208	224	265	267	284	295	362	398	50.7	59.0	61.4	70.1	69.7	68.2	71.1	74.9	91.0	96.5	
Females																				
All ages	1,249	1,252	1,399	1,551	1,721	1,632	1,783	1,924	1,954	2,070	15.8	15.3	16.7	18.4	20.0	18.8	20.2	21.9	21.9	23.0
0-14 y	4	3	2	2	2	1	2	3	0	1	0.4	0.3	0.2	0.2	0.2	0.1	0.2	0.3	0.0	<0.1
15-44 y	399	391	387	414	432	390	420	453	437	428	17.0	16.3	16.0	16.9	17.6	16.2	17.2	18.8	18.0	17.5
45-54 y	223	240	289	337	367	351	358	430	443	464	28.5	30.2	36.2	42.0	46.2	43.6	45.1	54.1	55.6	59.0
55-64 y	228	191	242	269	342	316	364	339	354	433	34.3	28.1	35.1	38.7	48.9	44.2	50.4	46.0	47.4	57.3
65-74 y	171	176	210	259	237	265	295	334	349	380	34.7	35.8	41.7	49.6	45.1	49.1	53.4	58.4	59.4	63.4
75+ y	224	251	269	270	341	309	344	365	371	364	37.9	40.7	44.7	45.2	56.1	50.9	53.6	58.4	62.2	60.0

N=Number of invasive tumours

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

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



2. Relative survival

Table 6: Melanoma: 5-year relative survival proportion by sex, age group and region, Belgium 2015-2019

	5-year relative survival 2015-2019 (%)					
	Males			Females		
	N at risk	estimate	95% CI	N at risk	estimate	95% CI
Overall	6,960	94.3	[92.8, 95.6]	9,194	96.8	[95.8, 97.7]
Age group						
15-34 years	330	92.9	[87.9, 96.0]	846	98.3	[96.9, 99.1]
35-64 years	3,322	93.6	[92.2, 94.8]	5,034	97.7	[96.9, 98.4]
65+ years	3,309	95.4	[92.4, 98.2]	3,315	94.9	[92.2, 97.3]
Region						
Brussels-Capital Region	461	98.6	[92.0, 103.9]	578	99.3	[94.5, 103.1]
Flemish Region	4,336	93.1	[91.3, 94.8]	5,912	96.4	[95.2, 97.5]
Walloon Region	2,164	95.7	[93.0, 98.2]	2,704	97.1	[95.3, 98.6]

Figure 6: Melanoma: relative survival proportion by sex, Belgium 2015-2019

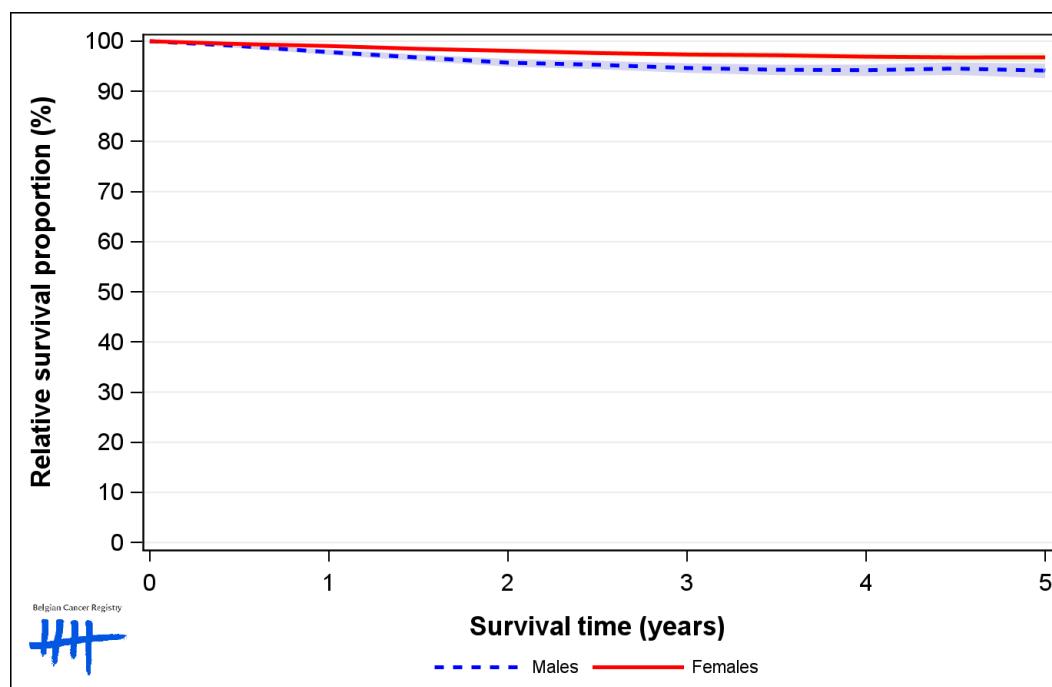


Figure 7: Melanoma: relative survival proportion by age group in males, Belgium 2015-2019

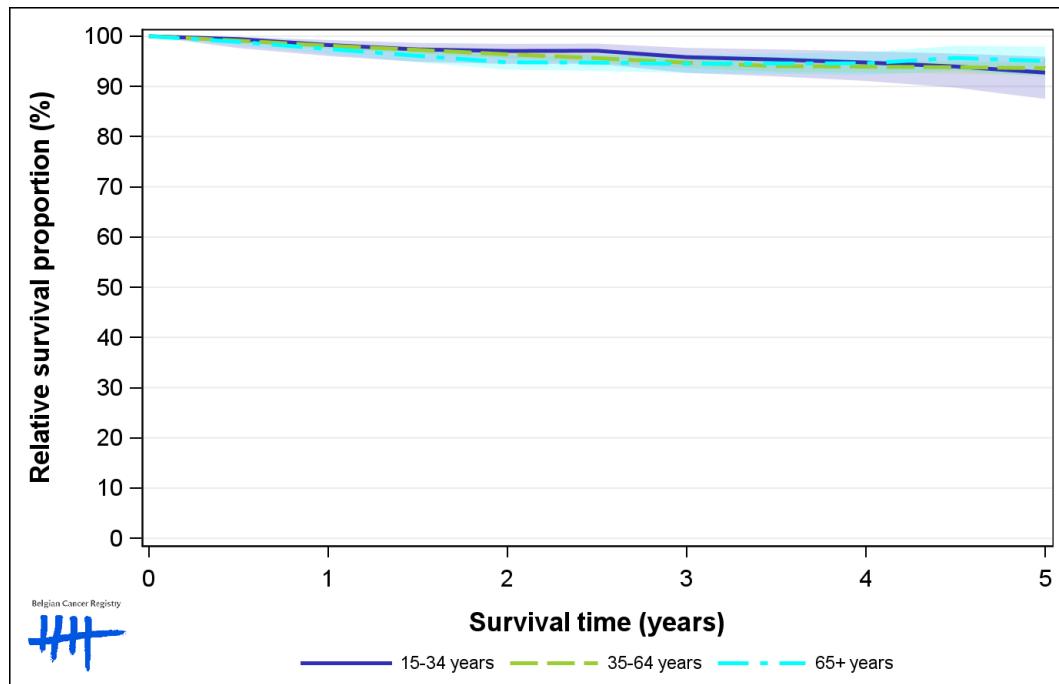


Figure 8: Melanoma: relative survival proportion by age group in females, Belgium 2015-2019

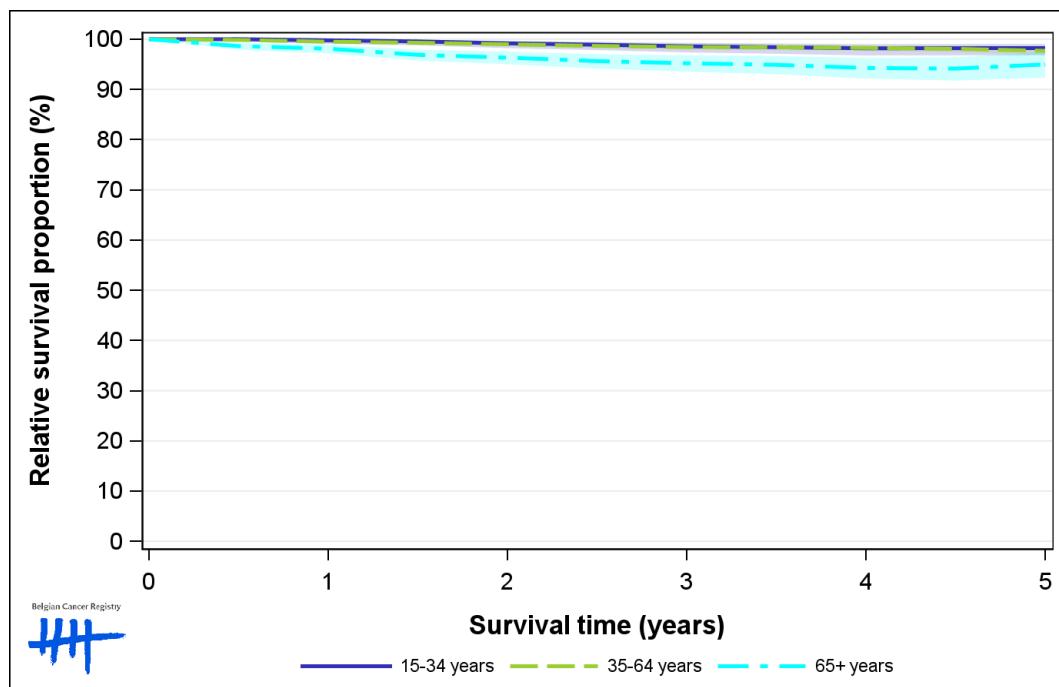


Figure 9: Melanoma: relative survival proportion by region in males, Belgium 2015-2019

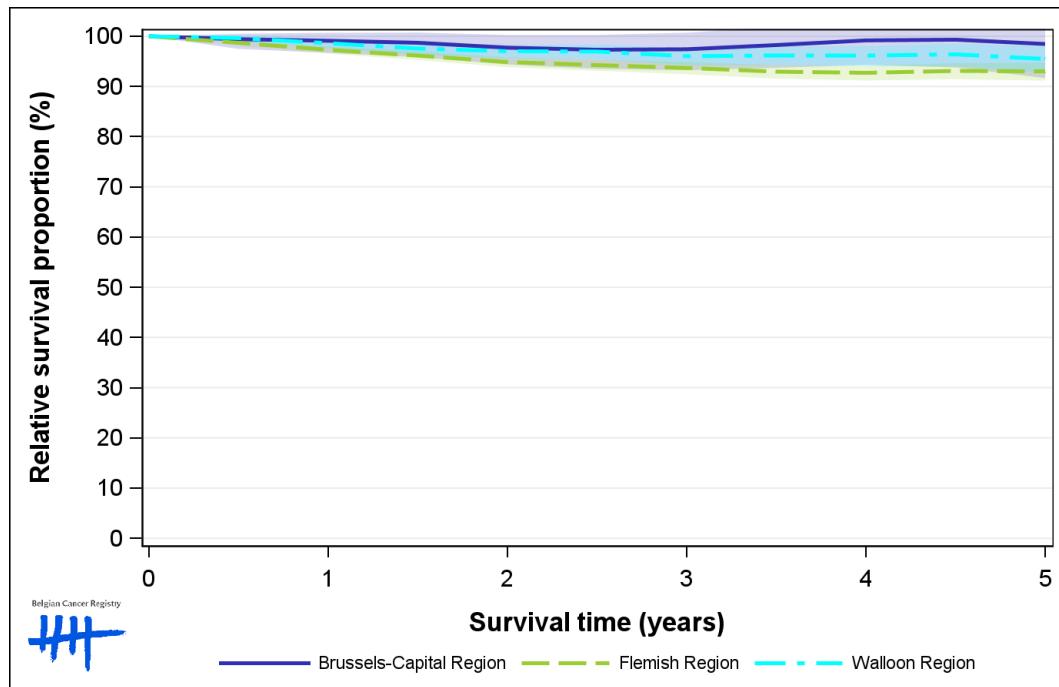


Figure 10: Melanoma: relative survival proportion by region in females, Belgium 2015-2019

