



Belgian Cancer Registry



Cancer Fact Sheet **Malignant Melanoma**

ICD10 : C43



Belgium 2018

1. Cancer Incidence

1.1. Number of new diagnoses and incidence rates

Table 1: Malignant 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, 2018

Males	Age (years)	N	CR	ESR	WSR	CRi
Belgium	62.3	1,540	27.5	22.0	16.1	1.76
Brussels-Capital Region	64.2	113	19.3	19.5	13.4	1.43
Flemish Region	62.7	978	30.2	23.1	16.9	1.84
Walloon Region	61.0	449	25.4	21.0	15.6	1.72

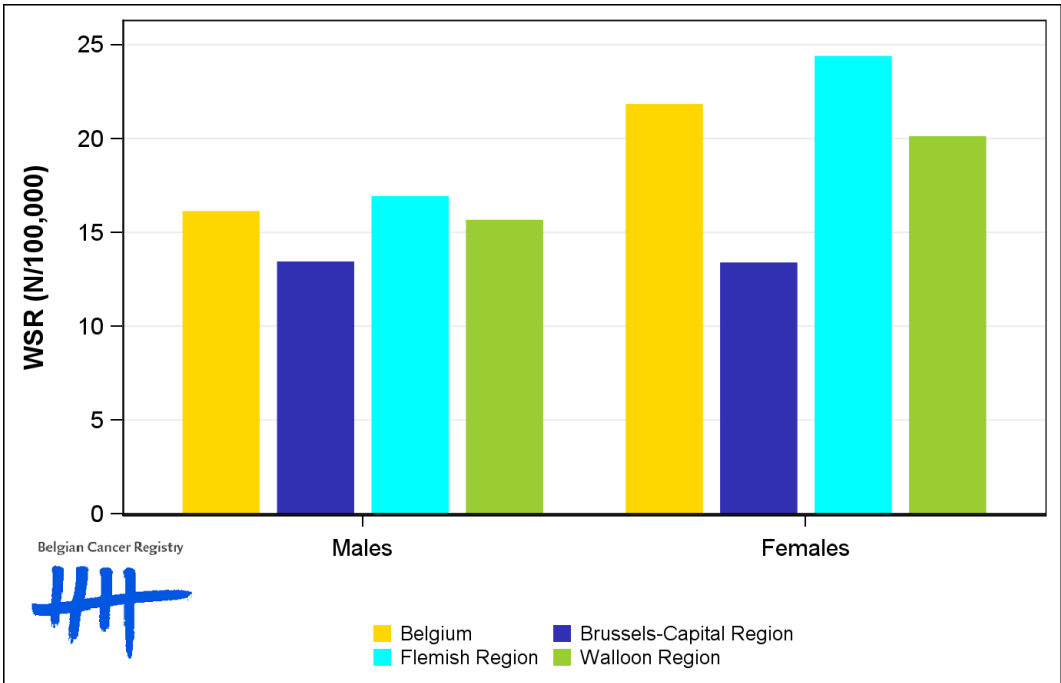
Females	Age (years)	N	CR	ESR	WSR	CRi
Belgium	58.0	1,949	33.7	28.1	21.8	2.21
Brussels-Capital Region	60.7	123	20.1	18.4	13.4	1.52
Flemish Region	58.6	1,281	38.7	31.5	24.4	2.47
Walloon Region	55.9	545	29.4	25.3	20.1	1.96

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 (%)

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Figure 1: Malignant Melanoma: Age-standardised incidence rates by sex and region, 2018



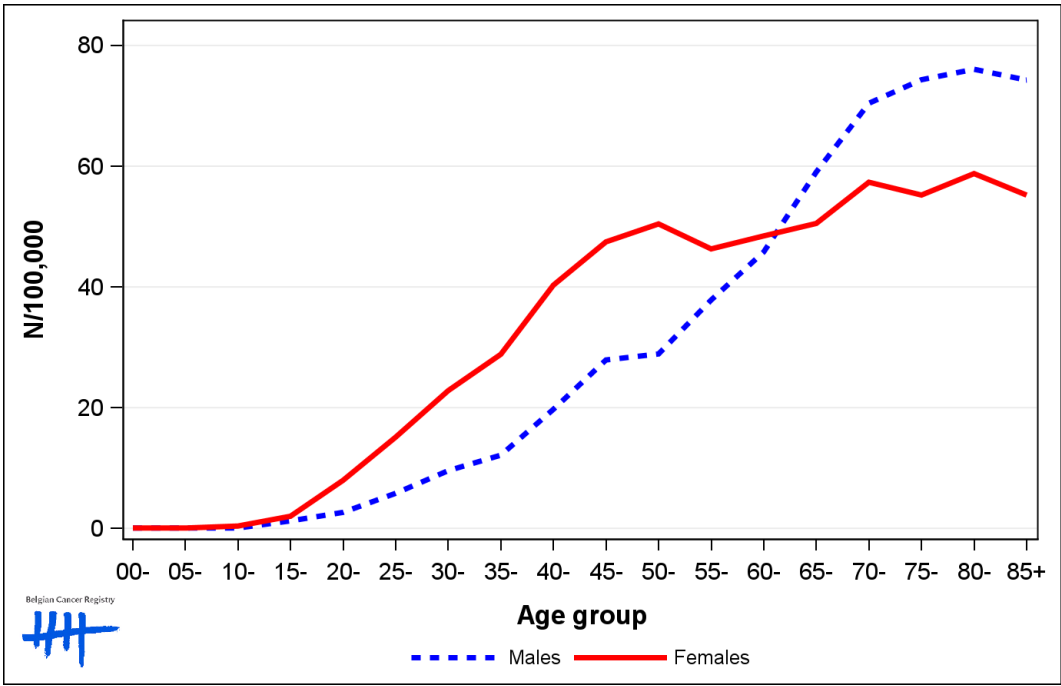
1.2. Age-specific incidence rates

Table 2: Malignant Melanoma: Age-specific incidence rates, crude rate (CR) and age-standardised incidence rates (ESR and WSR) by sex, Belgium 2018

	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	0.0	1.6	2.6	5.7	11.0	9.9	22.0	31.8	33.1	45.6	51.3	64.4	75.6	90.7	92.2	86.6	27.5	22.0	16.1
Females	0.0	0.0	0.0	2.0	10.6	12.1	23.1	30.5	41.5	49.8	61.9	48.8	46.0	58.3	61.4	66.1	61.5	54.4	33.7	28.1	21.8

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: Malignant Melanoma: Age-specific incidence rates by sex, 2014-2018



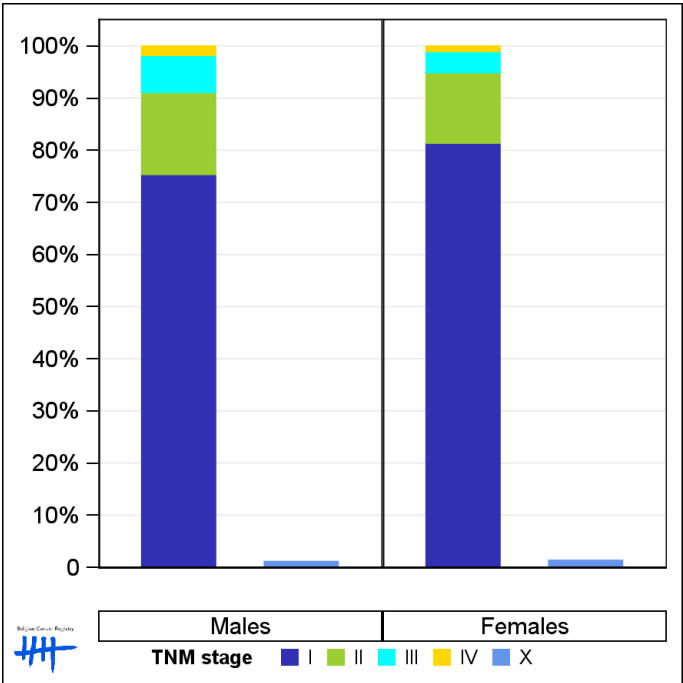
1.3. Combined stage

Table 3: Malignant Melanoma: Distribution of combined stage by sex, Belgium 2018

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
Males							
N	1,104	230	104	26	16	60	1,540
%	71.7	14.9	6.8	1.7	1.0	3.9	100
Females							
N	1,531	255	76	19	25	43	1,949
%	78.6	13.1	3.9	1.0	1.3	2.2	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: Malignant Melanoma: Bar chart of known combined stage by sex, Belgium 2018



1.4. Trends in incidence

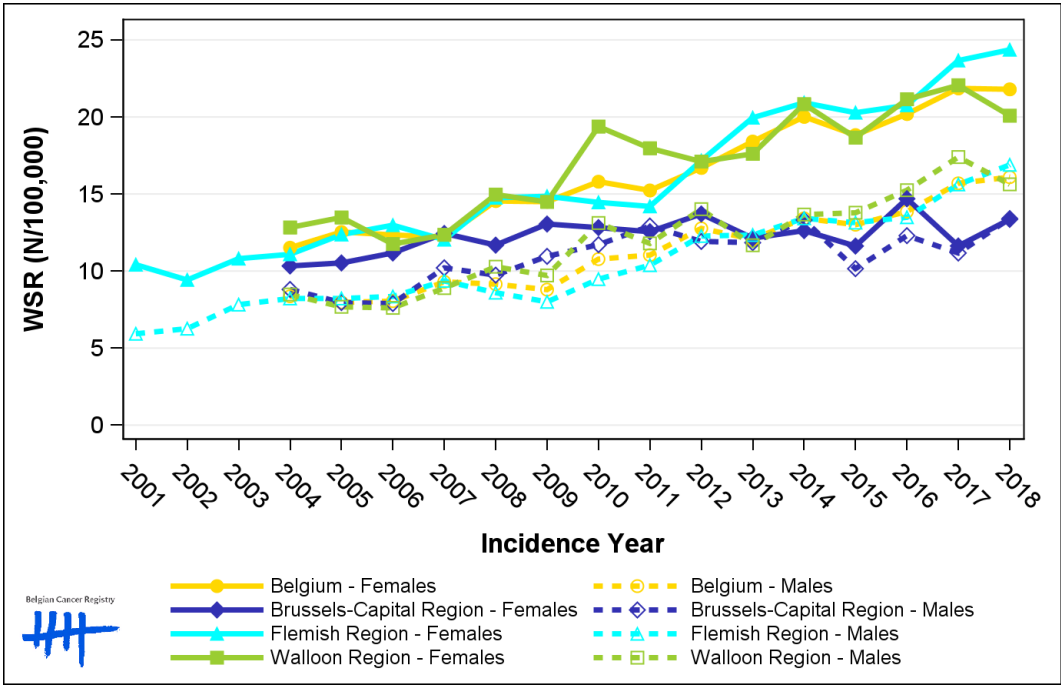
Table 4: Malignant Melanoma: Age-standardised incidence rates (WSR) and average annual percentage change (AAPC) by incidence year, sex and region

Males	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	AAPC	95% CI
Belgium	8.4	8.0	8.1	9.3	9.2	8.8	10.8	11.0	12.8	12.1	13.4	13.0	13.9	15.7	16.1	5.4	[4.6; 6.2]
Brussels-Capital Region	8.8	8.0	7.9	10.2	9.7	11.0	11.7	12.9	11.9	11.8	13.3	10.2	12.3	11.2	13.4	3.0	[1.8; 4.2]
Flemish Region	8.2	8.2	8.4	9.4	8.6	8.0	9.5	10.4	12.3	12.3	13.4	13.1	13.5	15.6	16.9	5.2	[4.4; 6.1]
Walloon Region	8.5	7.7	7.6	8.9	10.3	9.7	13.1	11.8	14.0	11.7	13.7	13.8	15.2	17.4	15.6	5.8	[4.5; 7.1]

Females	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	AAPC	95% CI
Belgium	11.5	12.5	12.3	12.2	14.5	14.5	15.8	15.2	16.7	18.4	20.0	18.8	20.2	21.9	21.8	4.9	[4.3; 5.5]
Brussels-Capital Region	10.3	10.5	11.2	12.4	11.7	13.1	12.8	12.6	13.7	12.1	12.6	11.6	14.7	11.6	13.4	1.6	[0.6; 2.5]
Flemish Region	11.1	12.4	13.0	12.0	14.8	14.9	14.5	14.2	17.2	20.0	20.9	20.3	20.8	23.7	24.4	5.7	[4.8; 6.7]
Walloon Region	12.8	13.5	11.8	12.4	15.0	14.5	19.4	18.0	17.1	17.6	20.8	18.7	21.1	22.1	20.1	4.4	[3.1; 5.6]

WSR=Age-Standardised Rate, using the World Standard Population (N/100,000 person-years)
AAPC = Average Annual Percentage Change over the 2004-2018 period

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



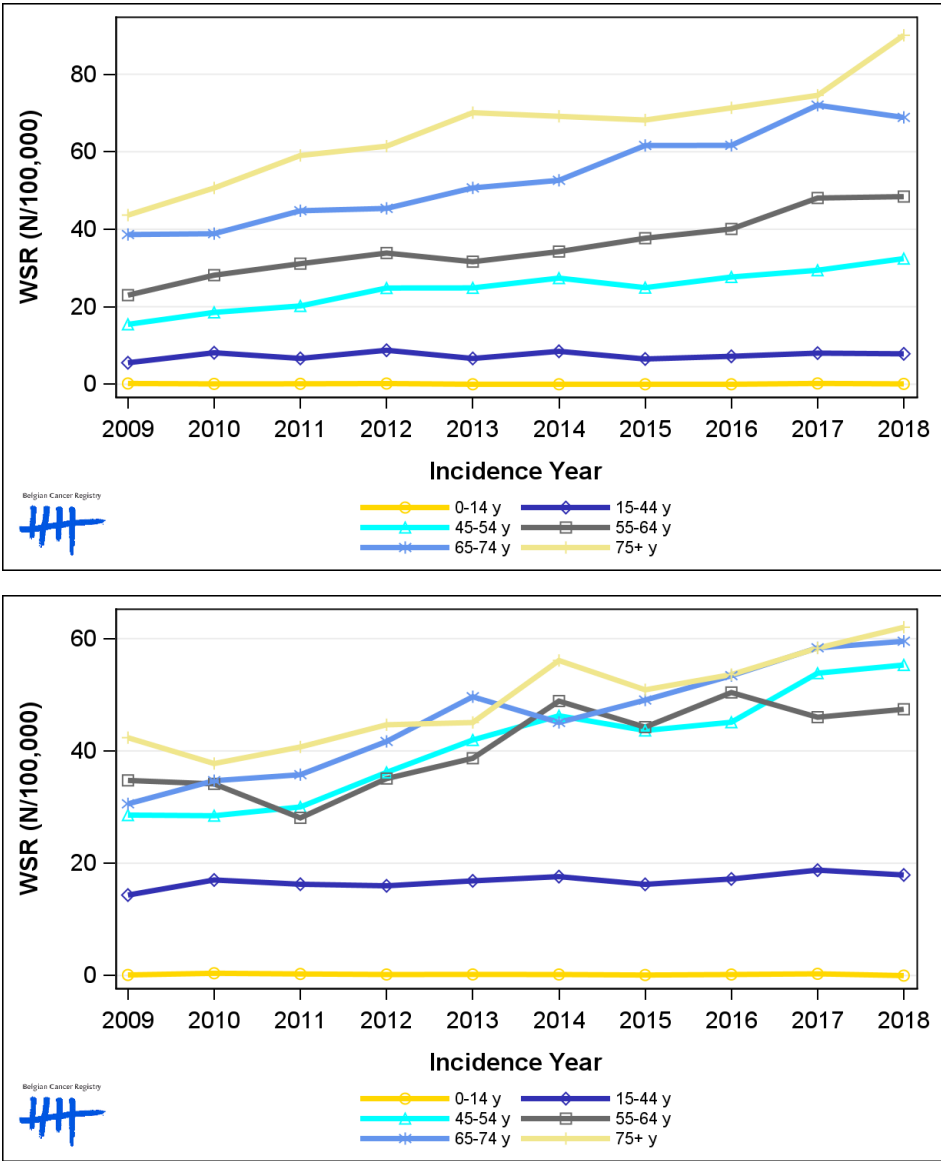
1.5. Incidence by broad age groups

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

	N										WSR									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Males																				
All ages	724	880	939	1,083	1,085	1,184	1,196	1,280	1,454	1,540	8.8	10.8	11.0	12.8	12.1	13.4	13.0	13.9	15.7	16.1
0-14 y	2	1	1	2	0	0	0	0	2	1	0.2	<0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.2	<0.1
15-44 y	135	197	165	222	164	210	162	178	200	193	5.6	8.1	6.7	8.8	6.7	8.5	6.5	7.2	8.0	7.9
45-54 y	122	148	164	203	206	224	205	225	237	262	15.5	18.5	20.2	24.8	24.9	27.4	24.9	27.7	29.4	32.4
55-64 y	147	184	207	226	215	235	262	282	346	354	23.0	28.2	31.1	33.9	31.6	34.2	37.7	40.1	48.1	48.4
65-74 y	168	171	194	206	235	250	300	310	375	372	38.6	38.9	44.8	45.4	50.7	52.6	61.6	61.7	72.0	68.9
75+ y	150	179	208	224	265	265	267	285	294	358	43.7	50.7	59.0	61.4	70.1	69.1	68.2	71.3	74.6	90.1
Females																				
All ages	1,189	1,247	1,251	1,398	1,549	1,722	1,632	1,783	1,921	1,949	14.5	15.8	15.2	16.7	18.4	20.0	18.8	20.2	21.9	21.8
0-14 y	1	4	3	2	2	2	1	2	3	0	0.1	0.4	0.3	0.2	0.2	0.2	0.1	0.2	0.3	0.0
15-44 y	343	399	391	386	413	432	390	420	453	434	14.3	17.0	16.3	16.0	16.9	17.6	16.2	17.2	18.8	17.9
45-54 y	222	223	239	289	337	368	351	358	428	441	28.6	28.5	30.0	36.2	42.0	46.3	43.6	45.1	53.8	55.3
55-64 y	226	227	191	242	269	342	316	364	339	354	34.8	34.1	28.1	35.1	38.7	48.9	44.2	50.4	46.0	47.4
65-74 y	151	171	176	210	259	237	265	295	334	350	30.6	34.7	35.8	41.7	49.6	45.1	49.1	53.4	58.4	59.5
75+ y	246	223	251	269	269	341	309	344	364	370	42.4	37.8	40.7	44.7	45.1	56.1	50.9	53.6	58.3	62.0

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

Figure 5: Malignant 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: Malignant Melanoma: 5-year relative survival proportion by sex, age group and region, Belgium 2014-2018

	5-year relative survival 2014-2018 (%)					
	Males			Females		
	N at risk	estimate	95% CI	N at risk	estimate	95% CI
Overall	6,517	92.5	[91.1, 93.9]	8,866	95.6	[94.6, 96.6]
Age group						
15-34 years	337	94.5	[89.9, 97.2]	846	97.8	[96.3, 98.8]
35-64 years	3,171	92.8	[91.4, 94.1]	4,857	97.7	[97.0, 98.4]
65+ years	3,009	92.1	[89.2, 95.0]	3,164	91.0	[88.3, 93.7]
Region						
Brussels-Capital Region	468	95.9	[89.9, 100.9]	570	97.2	[92.4, 101.1]
Flemish Region	4,005	91.2	[89.4, 92.9]	5,581	95.1	[93.9, 96.3]
Walloon Region	2,046	94.3	[91.7, 96.8]	2,715	96.2	[94.4, 97.9]

Figure 6: Malignant Melanoma: relative survival proportion by sex, Belgium 2014-2018

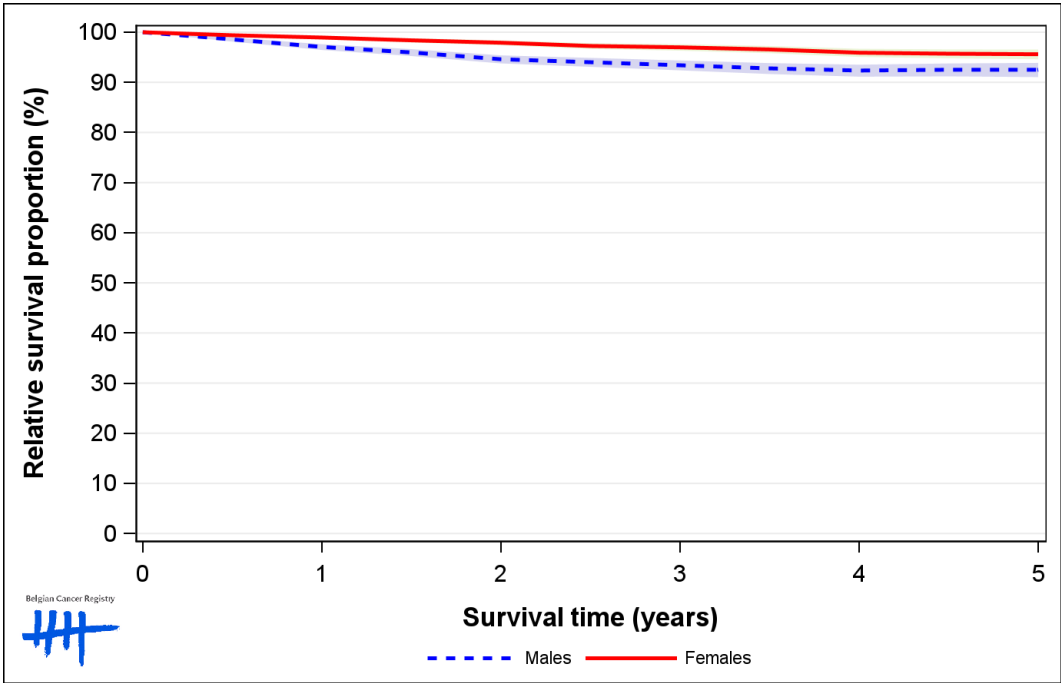


Figure 7: Malignant Melanoma: relative survival proportion by age group in males, Belgium 2014-2018

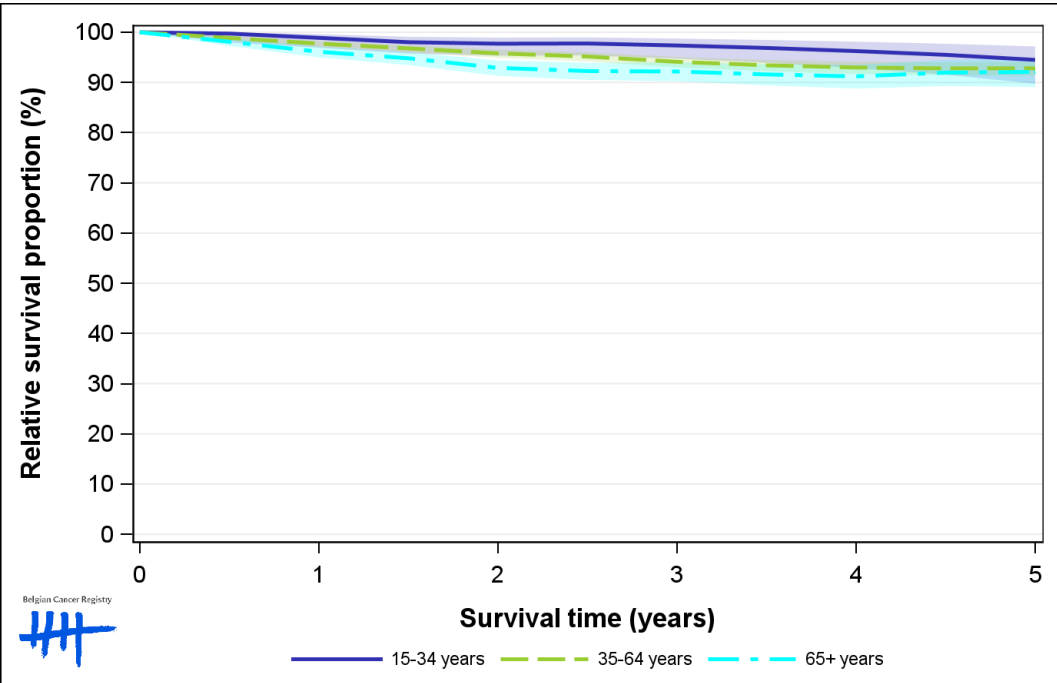


Figure 8: Malignant Melanoma: relative survival proportion by age group in females, Belgium 2014-2018

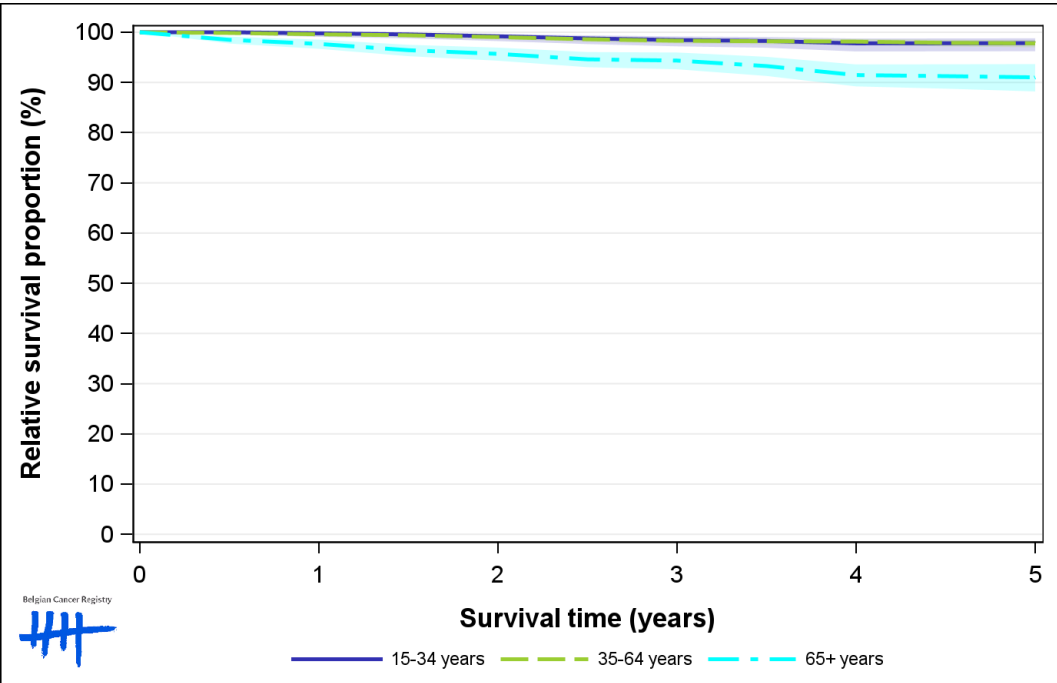


Figure 9: Malignant Melanoma: relative survival proportion by region in males, Belgium 2014-2018

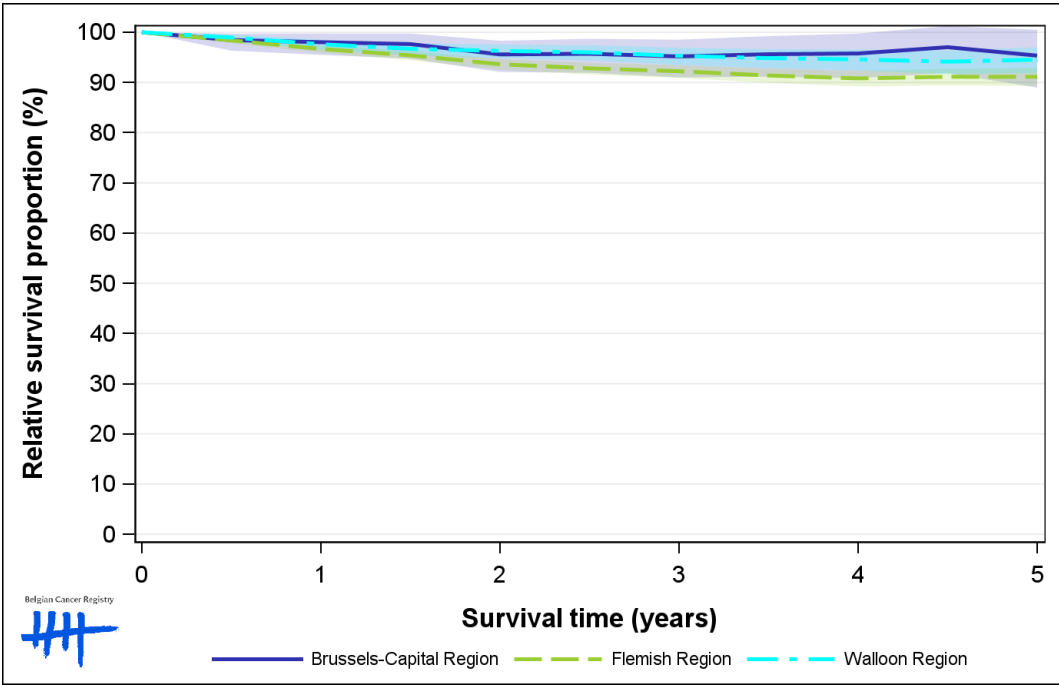


Figure 10: Malignant Melanoma: relative survival proportion by region in females, Belgium 2014-2018

