

Belgian Cancer Registry



Cancer Fact Sheet **Head & Neck Cancer**

ICD10 : C00-C14, C30-C32

Belgium 2019

1. Cancer Incidence

1.1. Number of new diagnoses and incidence rates

Table 1: Head and Neck 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, 2019

Males	Age (years)	N	CR	ESR	WSR	CRi
Belgium	65.0	2,057	36.5	28.1	19.9	2.50
Brussels-Capital Region	64.2	159	26.8	28.1	19.9	2.55
Flemish Region	66.0	1,168	35.8	25.7	18.1	2.24
Walloon Region	63.7	730	41.1	32.7	23.4	2.97

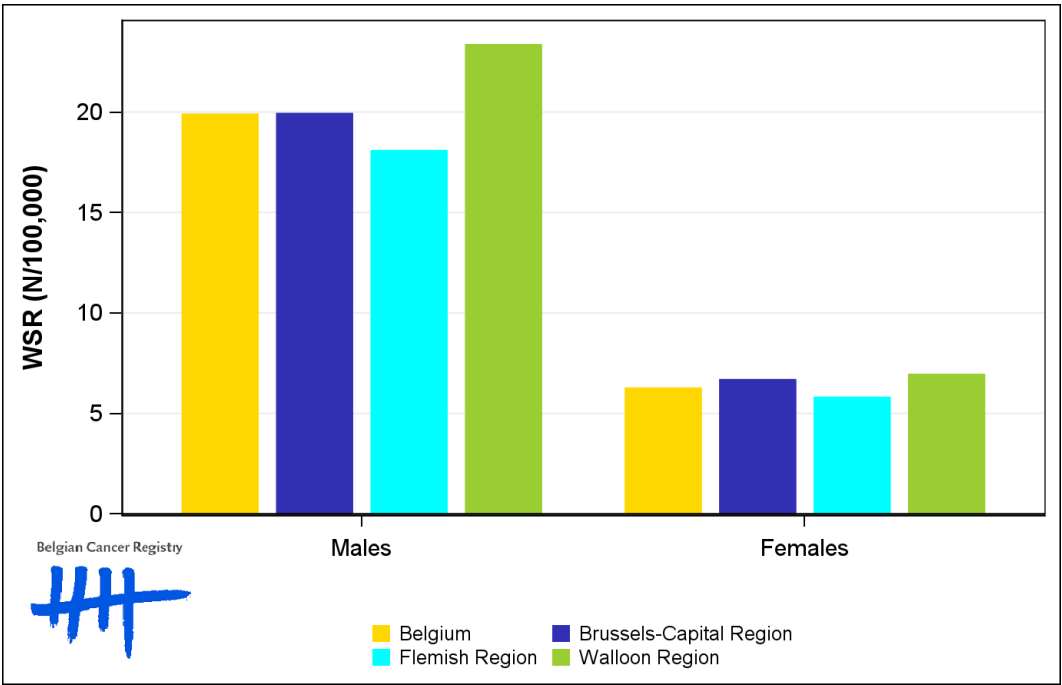
Females	Age (years)	N	CR	ESR	WSR	CRi
Belgium	65.9	708	12.2	8.7	6.3	0.77
Brussels-Capital Region	61.7	59	9.6	9.1	6.7	0.84
Flemish Region	66.4	393	11.8	8.1	5.8	0.70
Walloon Region	66.3	256	13.8	9.8	6.9	0.87

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: Head and Neck Cancer: Age-standardised incidence rates by sex and region, 2019



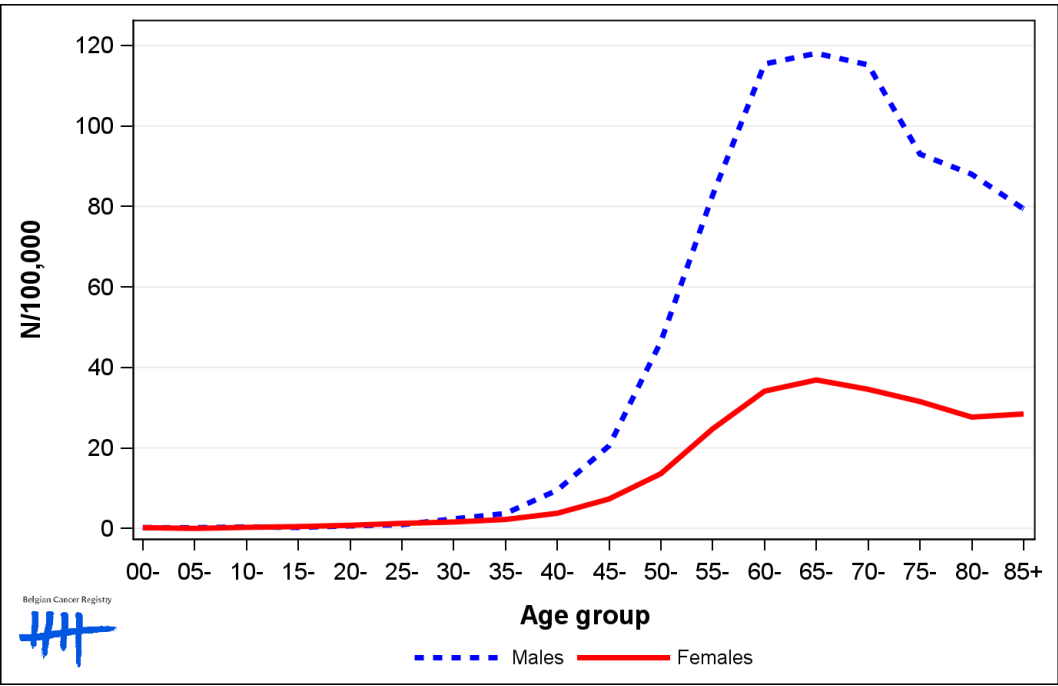
1.2. Age-specific incidence rates

Table 2: Head and Neck Cancer: 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	0.3	0.0	0.3	0.3	0.5	1.9	3.7	10.1	16.5	47.3	77.6	112.0	121.9	112.8	105.3	89.2	93.8	36.5	28.1	19.9
Females	0.3	0.0	0.0	0.0	0.3	0.8	2.4	3.5	3.9	6.8	13.4	21.8	29.7	36.9	34.1	34.5	25.5	28.6	12.2	8.7	6.3

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: Head and Neck Cancer: Age-specific incidence rates by sex, 2015-2019



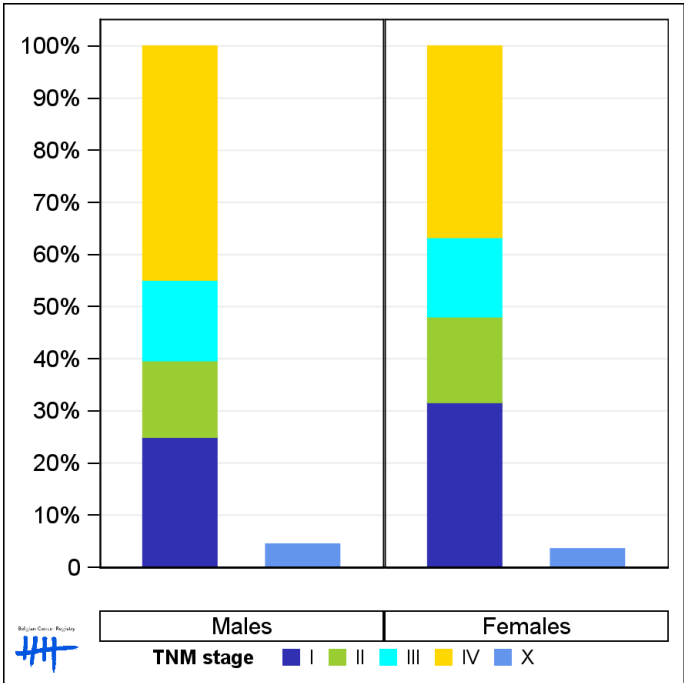
1.3. Combined stage

Table 3: Head and Neck Cancer: Distribution of combined stage by sex, Belgium 2019

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
Males							
N	473	279	293	850	88	74	2,057
%	23.0	13.6	14.2	41.3	4.3	3.6	100
Females							
N	208	108	100	241	24	27	708
%	29.4	15.3	14.1	34.0	3.4	3.8	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: Head and Neck Cancer: Bar chart of known combined stage by sex, Belgium 2019



1.4. Trends in incidence

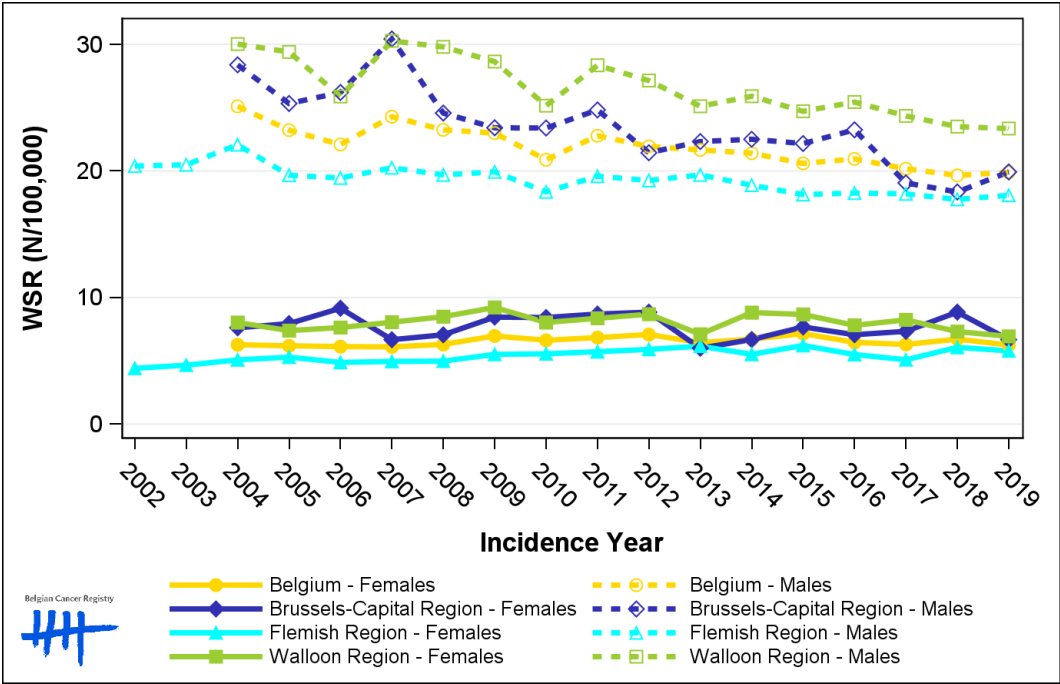
Table 4: Head and Neck Cancer: Age-standardised incidence rates (WSR) and average annual percentage change (AAPC) by incidence year, sex and region

Males	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	AAPC	95% CI
Belgium	23.2	22.1	24.3	23.2	23.0	20.9	22.8	21.9	21.7	21.4	20.6	21.0	20.2	19.7	19.9	-1.2	[-1.6; -0.8]
Brussels-Capital Region	25.3	26.2	30.4	24.6	23.4	23.4	24.8	21.4	22.3	22.5	22.2	23.3	19.1	18.3	19.9	-2.4	[-3.3; -1.5]
Flemish Region	19.7	19.5	20.3	19.7	19.9	18.4	19.6	19.2	19.7	18.9	18.1	18.3	18.2	17.8	18.1	-0.8	[-1.1; -0.5]
Walloon Region	29.4	25.9	30.3	29.8	28.6	25.2	28.3	27.1	25.1	25.9	24.7	25.4	24.4	23.5	23.4	-1.6	[-2.2; -0.9]

Females	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	AAPC	95% CI
Belgium	6.2	6.1	6.1	6.3	7.0	6.6	6.8	7.1	6.4	6.7	7.2	6.5	6.3	6.7	6.3	0.2	[-0.3; 0.8]
Brussels-Capital Region	7.9	9.2	6.7	7.1	8.5	8.4	8.7	8.8	6.0	6.7	7.7	7.1	7.3	8.9	6.7	-0.7	[-2.4; 1.0]
Flemish Region	5.3	4.9	5.0	5.0	5.5	5.6	5.7	5.9	6.2	5.5	6.2	5.5	5.1	6.1	5.8	0.9	[0.2; 1.7]
Walloon Region	7.4	7.6	8.1	8.5	9.2	8.0	8.4	8.7	7.1	8.8	8.7	7.8	8.2	7.3	6.9	-1.1	[-2.3; 0.0]

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



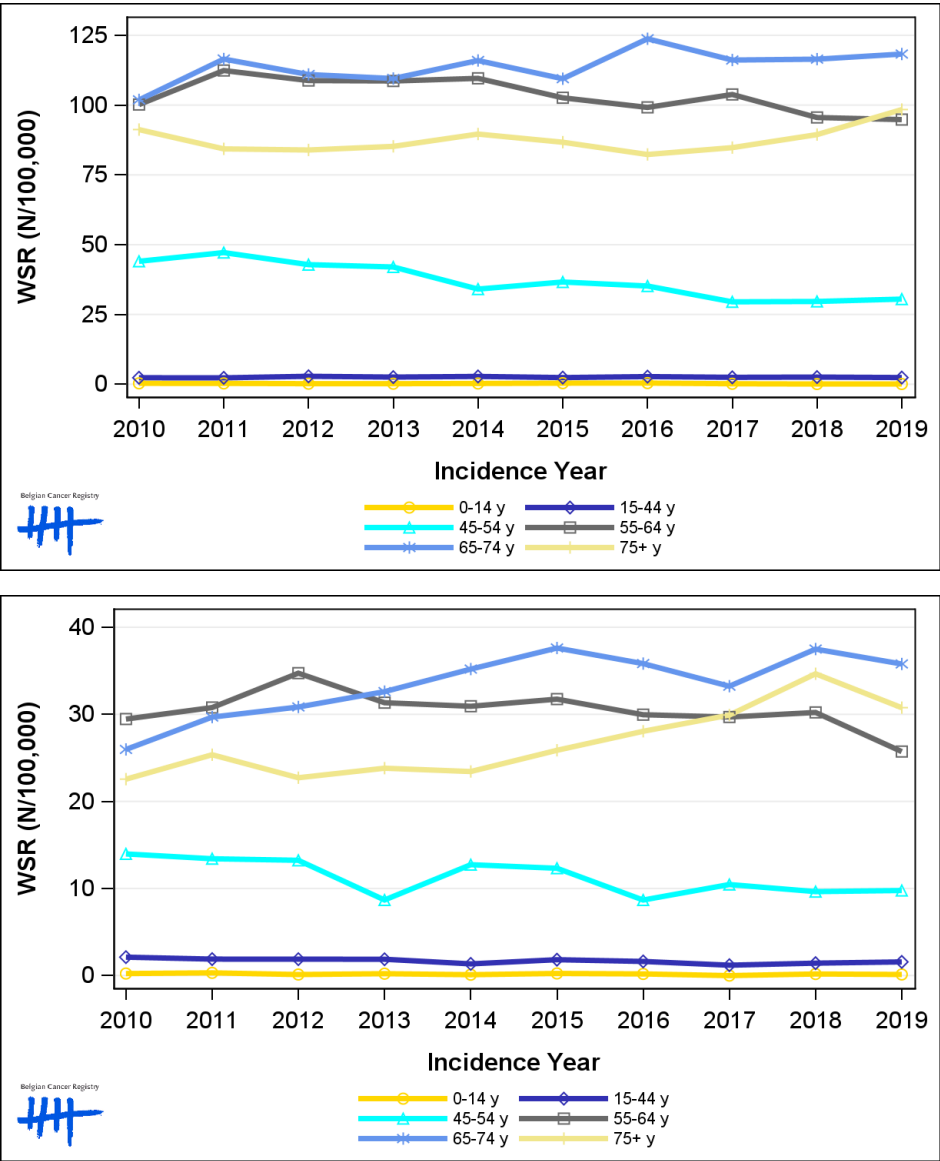
1.5. Incidence by broad age groups

Table 5: Head and Neck Cancer: 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	1,835	2,019	1,957	1,987	2,003	1,957	2,013	1,996	1,989	2,057	20.9	22.8	21.9	21.7	21.4	20.6	21.0	20.2	19.7	19.9
0-14 y	3	3	2	2	3	4	4	2	1	1	0.3	0.3	0.2	0.2	0.3	0.4	0.4	0.2	<0.1	<0.1
15-44 y	60	62	72	68	73	61	70	64	65	62	2.3	2.3	2.9	2.6	2.8	2.4	2.7	2.5	2.6	2.4
45-54 y	358	390	356	356	288	309	298	248	250	257	44.1	47.2	42.9	42.0	34.1	36.6	35.2	29.5	29.7	30.5
55-64 y	654	750	732	736	750	712	698	743	693	699	100.2	112.4	108.8	108.6	109.6	102.6	99.2	103.8	95.6	94.8
65-74 y	432	504	496	505	548	532	620	602	627	646	101.9	116.5	111.0	109.5	116.0	109.5	123.8	116.1	116.5	118.3
75+ y	328	310	299	320	341	339	323	337	353	392	91.2	84.3	83.9	85.2	89.6	86.7	82.3	84.8	89.4	98.4
Females																				
All ages	617	663	693	652	681	734	695	702	756	708	6.6	6.8	7.1	6.4	6.7	7.2	6.5	6.3	6.7	6.3
0-14 y	2	3	1	2	1	2	2	0	2	1	0.2	0.3	0.1	0.2	0.1	0.2	0.2	0.0	0.2	0.1
15-44 y	47	46	49	46	33	45	37	28	32	40	2.1	1.9	1.9	1.9	1.3	1.8	1.6	1.2	1.4	1.6
45-54 y	114	108	110	72	105	100	72	86	79	79	14.0	13.4	13.2	8.7	12.7	12.3	8.7	10.5	9.6	9.8
55-64 y	196	210	238	218	217	225	214	217	224	193	29.5	30.8	34.7	31.3	30.9	31.7	30.0	29.7	30.2	25.7
65-74 y	124	145	156	167	184	201	197	190	217	213	26.0	29.7	30.8	32.6	35.2	37.6	35.8	33.2	37.5	35.8
75+ y	134	151	139	147	141	161	173	181	202	182	22.6	25.4	22.7	23.8	23.4	25.9	28.1	29.9	34.7	30.8

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

Figure 5: Head and Neck 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: Head and Neck Cancer: 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	9,651	52.7	[51.3, 54.2]	3,498	58.1	[55.7, 60.3]
Age group						
15-49 years	711	66.4	[61.9, 70.5]	319	76.3	[70.0, 81.4]
50-74 years	7,236	51.6	[50.1, 53.2]	2,303	59.4	[56.7, 62.0]
75+ years	1,709	52.5	[47.9, 57.1]	878	46.8	[40.9, 52.8]
Region						
Brussels-Capital Region	753	52.9	[47.7, 57.9]	329	61.9	[54.3, 68.9]
Flemish Region	5,372	54.9	[52.9, 56.8]	1,856	60.4	[57.2, 63.5]
Walloon Region	3,528	49.5	[47.1, 51.8]	1,313	53.8	[50.0, 57.6]

Figure 6: Head and Neck Cancer: relative survival proportion by sex, Belgium 2015-2019

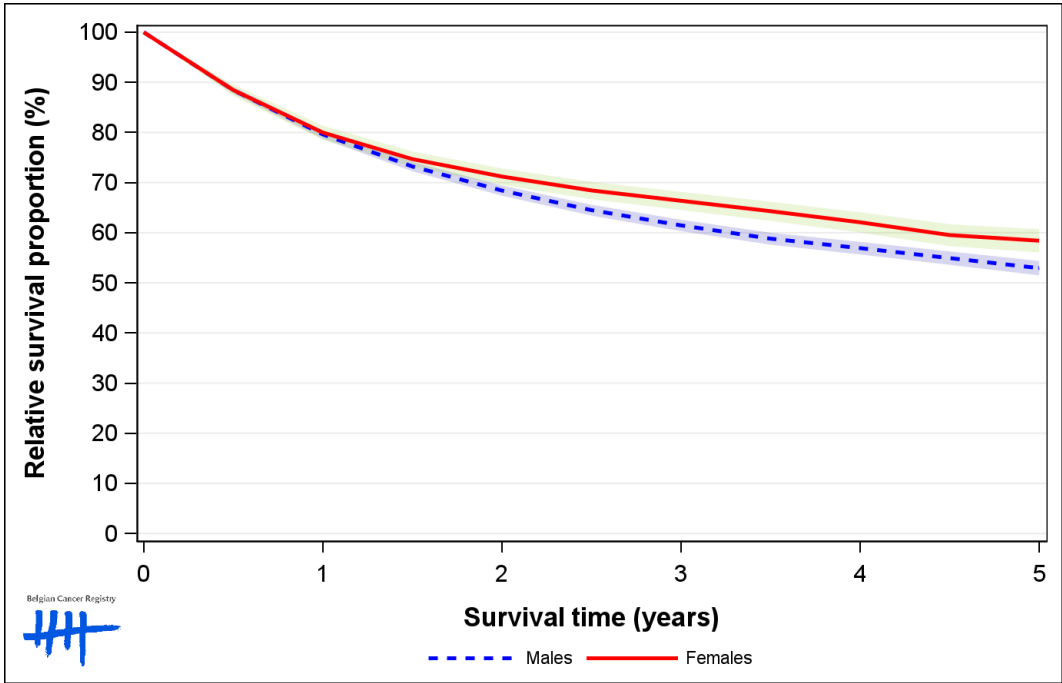


Figure 7: Head and Neck Cancer: relative survival proportion by age group in males, Belgium 2015-2019

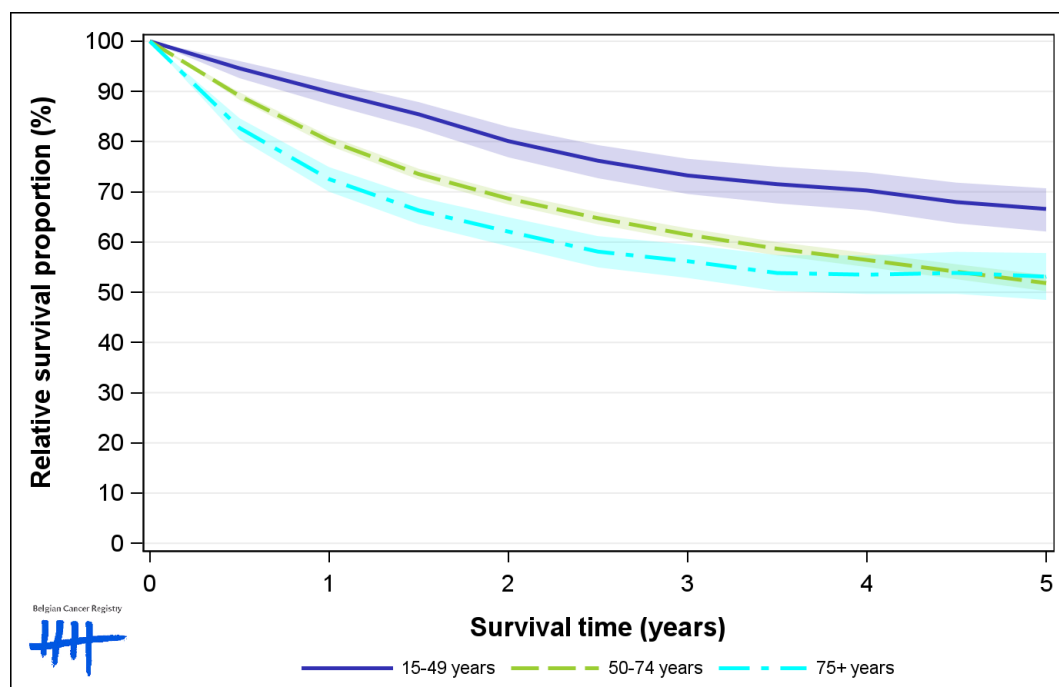


Figure 8: Head and Neck Cancer: relative survival proportion by age group in females, Belgium 2015-2019

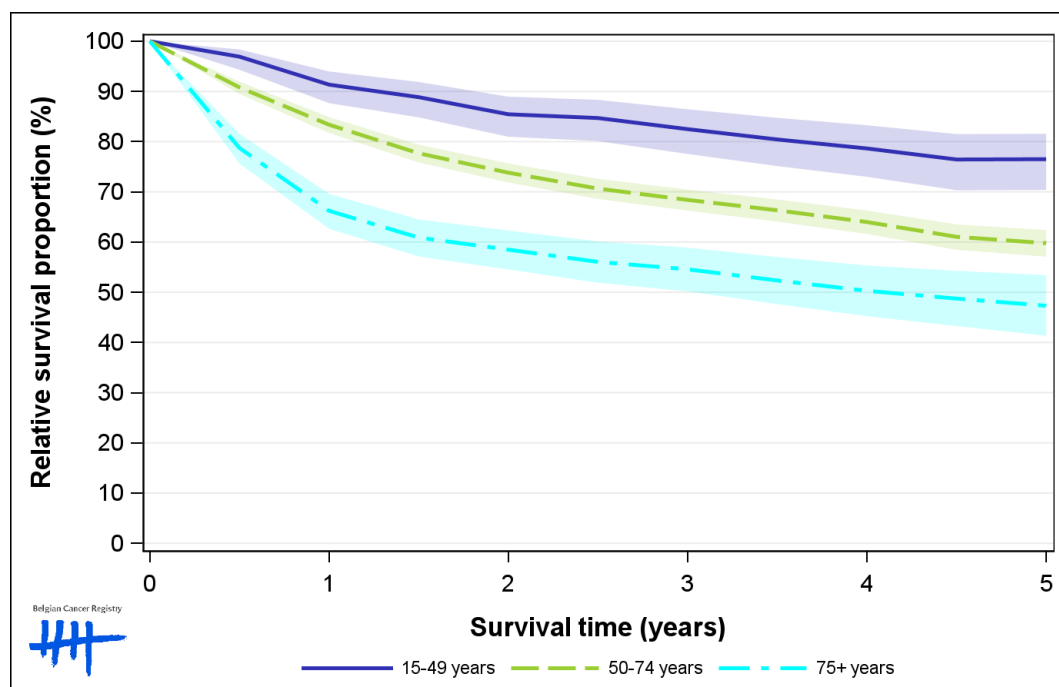


Figure 9: Head and Neck Cancer: relative survival proportion by region in males, Belgium 2015-2019

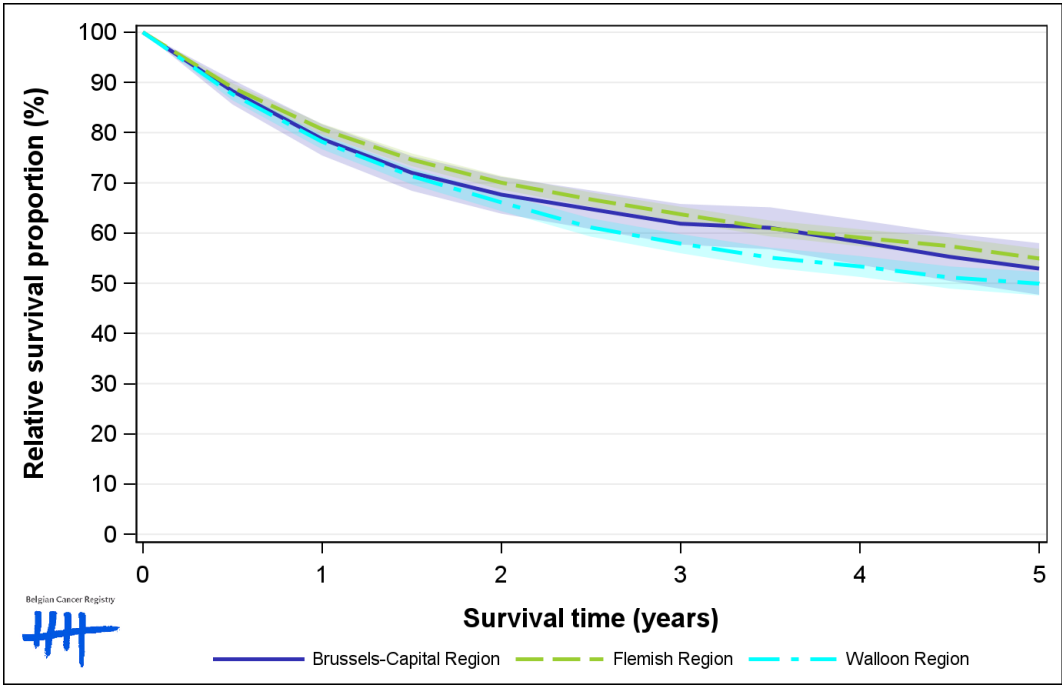


Figure 10: Head and Neck Cancer: relative survival proportion by region in females, Belgium 2015-2019

