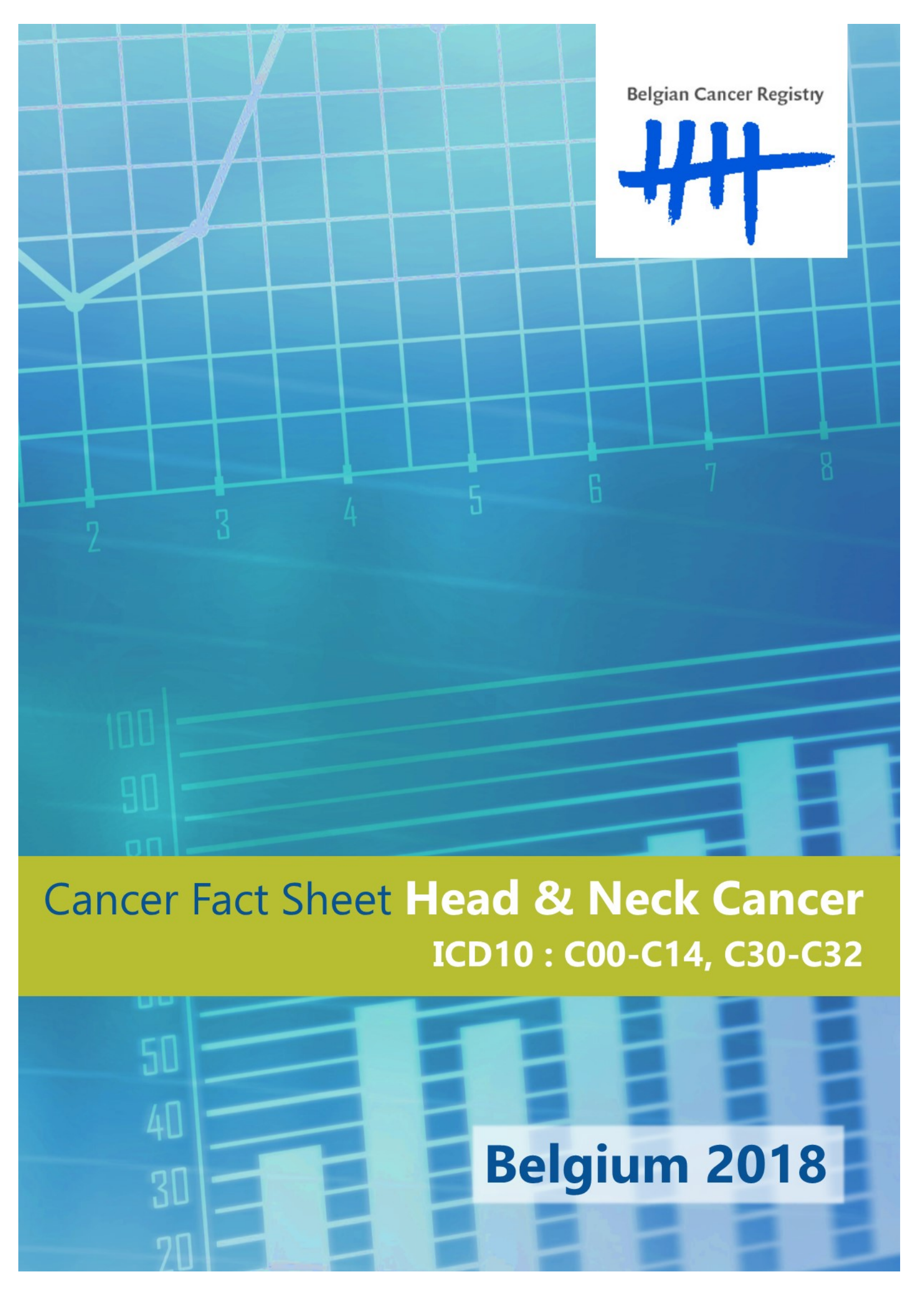


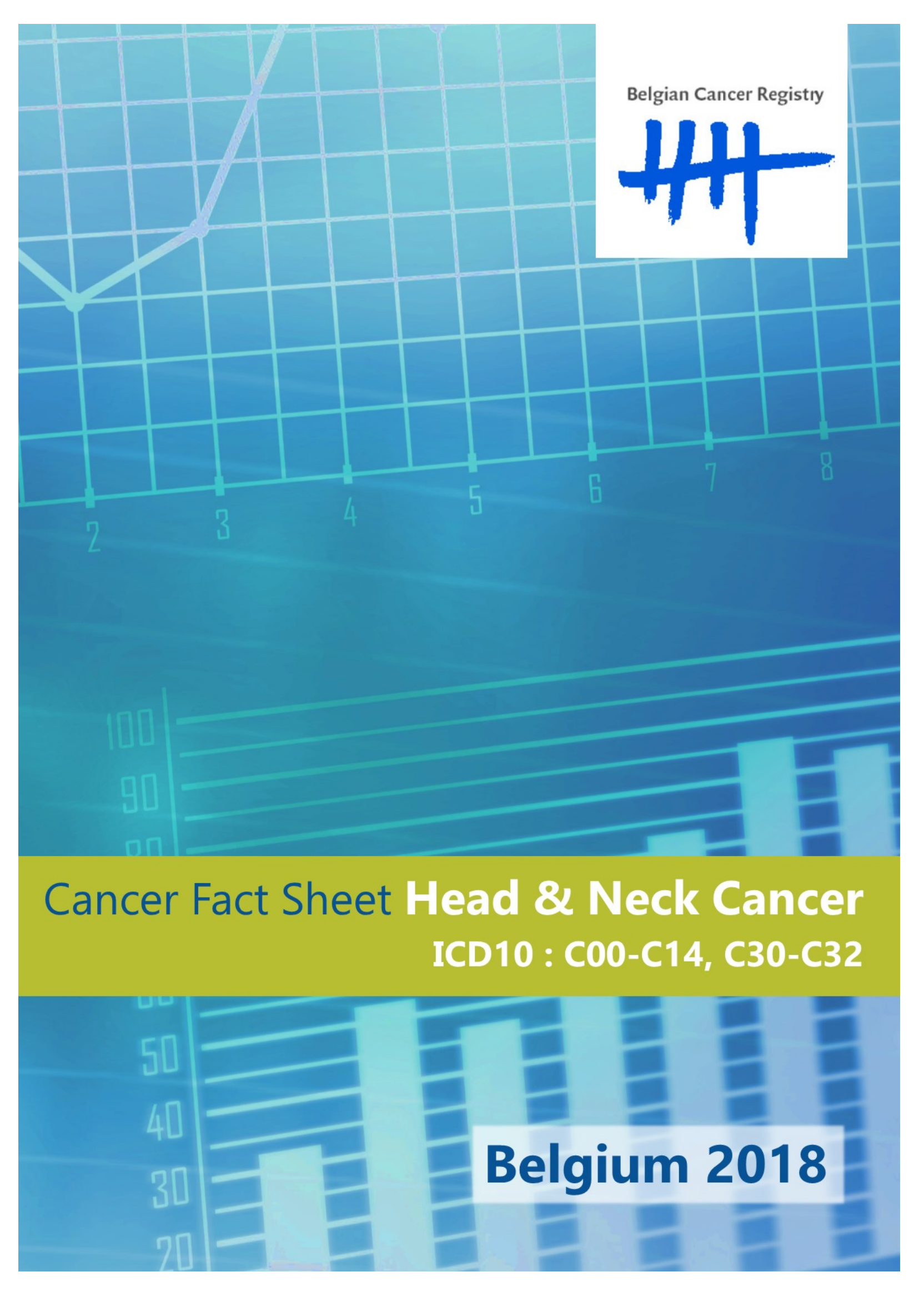


Belgian Cancer Registry



Cancer Fact Sheet **Head & Neck Cancer**

ICD10 : C00-C14, C30-C32



Belgium 2018

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, 2018

Males	Age (years)	N	CR	ESR	WSR	CRi
Belgium	64.7	1,978	35.3	27.5	19.6	2.48
Brussels-Capital Region	61.8	138	23.5	25.0	18.2	2.30
Flemish Region	66.1	1,125	34.7	25.1	17.7	2.28
Walloon Region	63.0	715	40.4	32.6	23.3	2.91

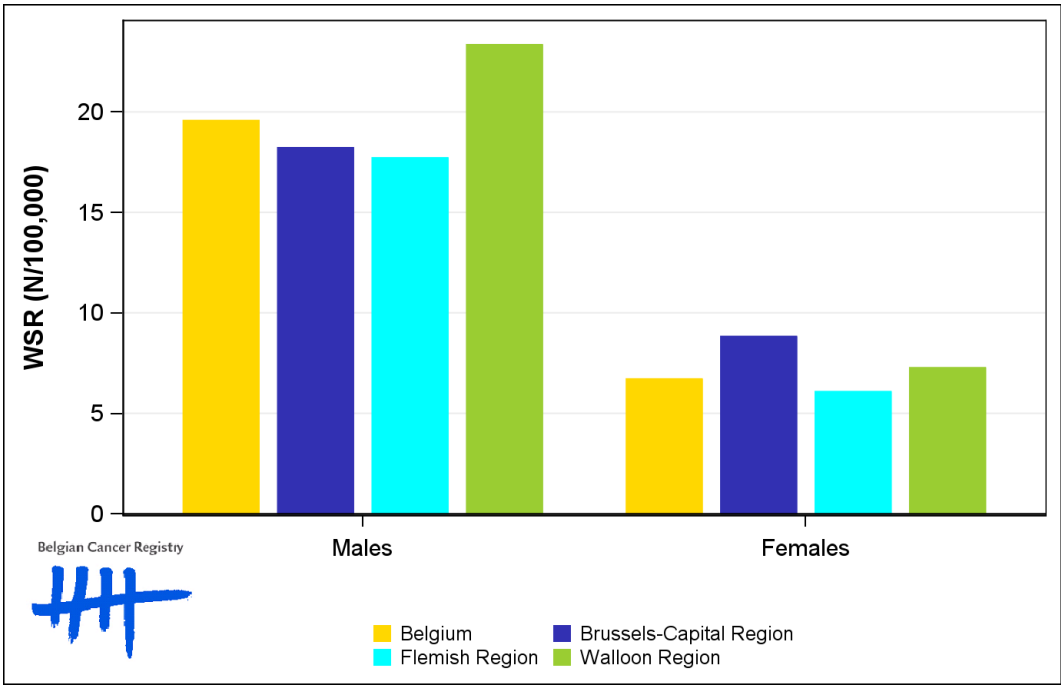
Females	Age (years)	N	CR	ESR	WSR	CRi
Belgium	66.0	752	13.0	9.3	6.7	0.81
Brussels-Capital Region	62.6	77	12.6	12.1	8.8	1.09
Flemish Region	66.4	407	12.3	8.4	6.1	0.73
Walloon Region	66.4	268	14.5	10.2	7.3	0.89

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 (%)

Belgian Cancer Registry



Figure 1: Head and Neck Cancer: Age-standardised incidence rates by sex and region, 2018



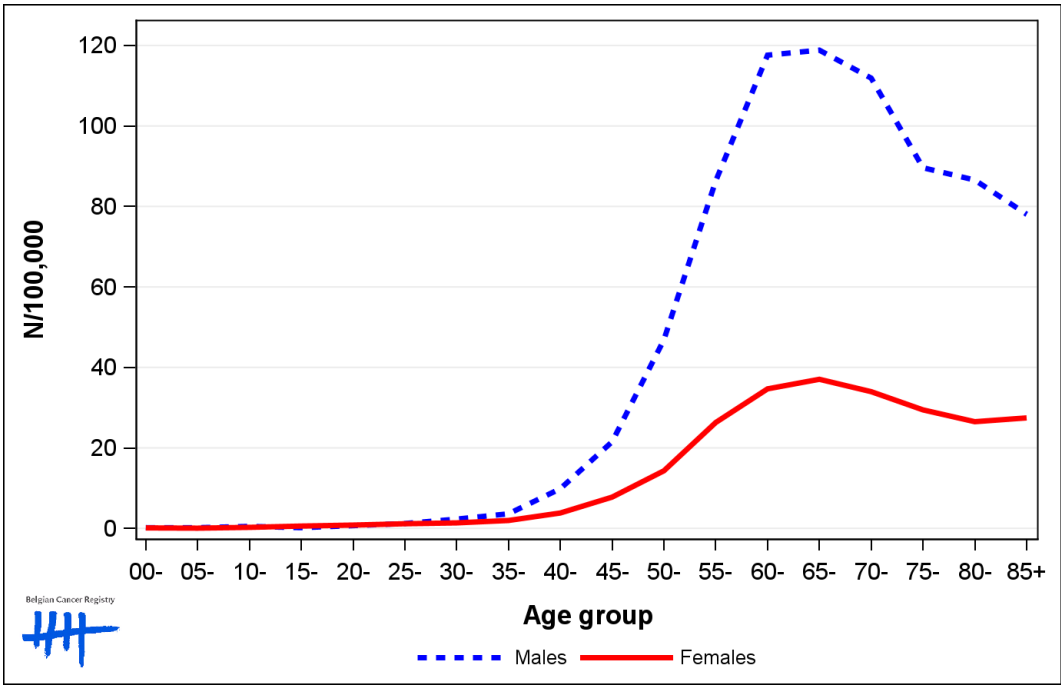
1.2. Age-specific incidence rates

Table 2: Head and Neck Cancer: Age-specific incidence rates, crude rate (CR) and age-standardised incidence rates (ESR and WSR) by sex, Belgium 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	0.0	0.3	0.9	0.3	0.3	3.3	4.0	9.0	18.7	42.9	78.4	112.5	111.5	121.2	93.1	89.1	77.9	35.3	27.5	19.6
Females	0.0	0.0	0.6	1.0	0.9	1.3	1.7	1.3	3.0	6.7	13.2	26.8	33.6	39.9	32.9	39.1	29.9	28.6	13.0	9.3	6.7

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: Head and Neck Cancer: Age-specific incidence rates by sex, 2014-2018



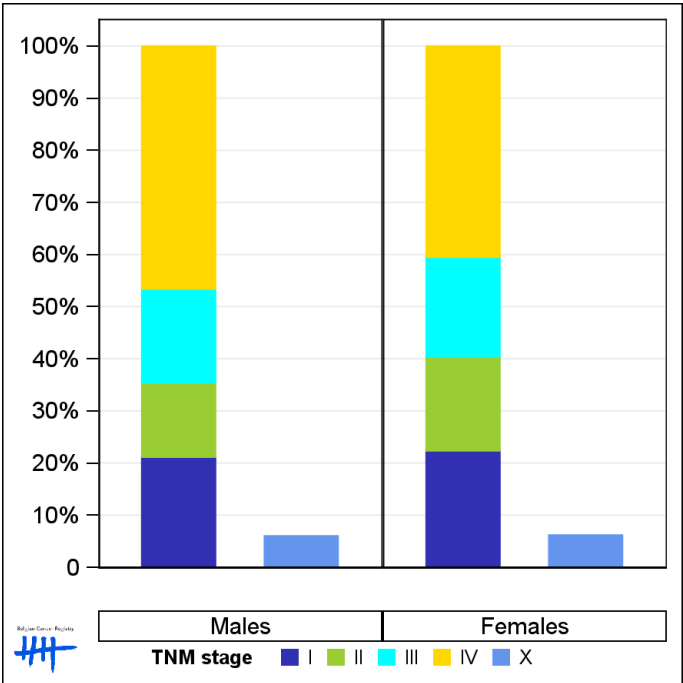
1.3. Combined stage

Table 3: Head and Neck Cancer: Distribution of combined stage by sex, Belgium 2018

	Stage I	Stage II	Stage III	Stage IV	Stage X	Stage NA	Total
Males							
N	380	256	324	837	115	66	1,978
%	19.2	12.9	16.4	42.3	5.8	3.3	100
Females							
N	153	123	131	277	45	23	752
%	20.3	16.4	17.4	36.8	6.0	3.1	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 2018



1.4. Trends in incidence

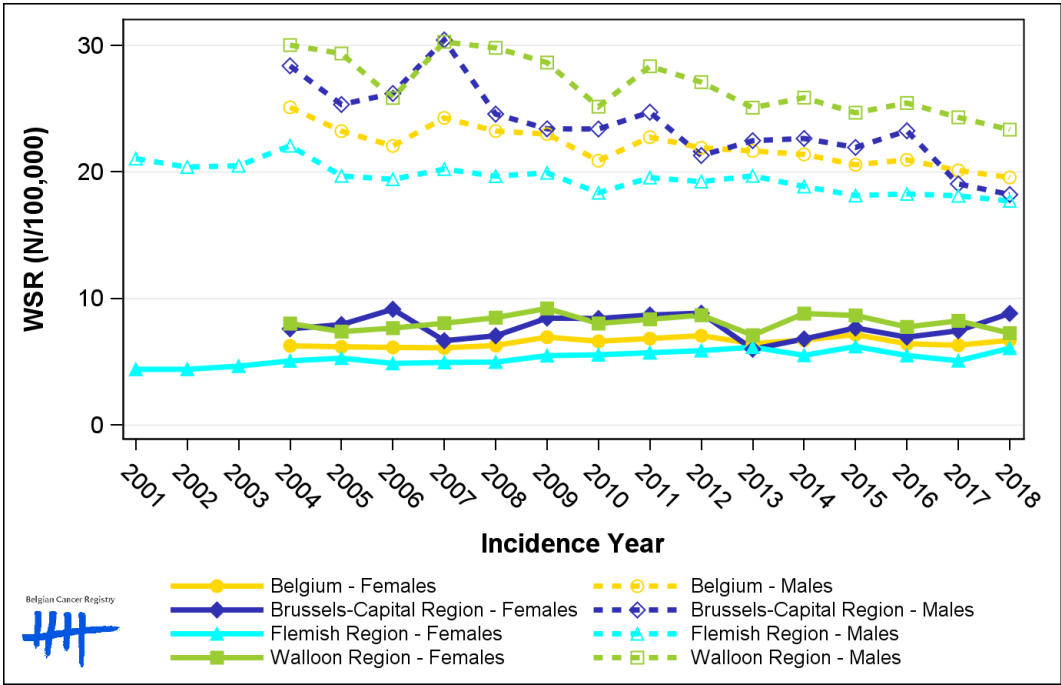
Table 4: Head and Neck Cancer: Age-standardised incidence rates (WSR) and average annual percentage change (AAPC) by incidence year, sex and region

Males	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	AAPC	95% CI
Belgium	25.1	23.2	22.1	24.3	23.2	23.0	20.9	22.8	21.9	21.7	21.4	20.6	21.0	20.1	19.6	-1.4	[-1.8; -0.9]
Brussels-Capital Region	28.4	25.3	26.2	30.4	24.6	23.4	23.4	24.7	21.3	22.5	22.6	21.9	23.3	19.1	18.2	-2.5	[-3.4; -1.6]
Flemish Region	22.1	19.7	19.4	20.2	19.7	19.9	18.4	19.6	19.2	19.7	18.8	18.1	18.3	18.1	17.7	-1.0	[-1.4; -0.6]
Walloon Region	30.0	29.4	25.8	30.3	29.8	28.6	25.2	28.3	27.1	25.1	25.9	24.7	25.4	24.3	23.3	-1.6	[-2.2; -0.9]

Females	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	AAPC	95% CI
Belgium	6.3	6.2	6.1	6.1	6.3	7.0	6.6	6.8	7.1	6.4	6.7	7.2	6.4	6.3	6.7	0.5	[-0.0; 1.0]
Brussels-Capital Region	7.6	7.9	9.2	6.7	7.1	8.5	8.4	8.7	8.8	6.0	6.8	7.7	7.0	7.5	8.8	-0.3	[-2.0; 1.3]
Flemish Region	5.1	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	1.1	[0.3; 2.0]
Walloon Region	8.0	7.4	7.7	8.1	8.5	9.2	8.0	8.4	8.7	7.1	8.8	8.7	7.8	8.2	7.3	0.2	[-0.7; 1.1]

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



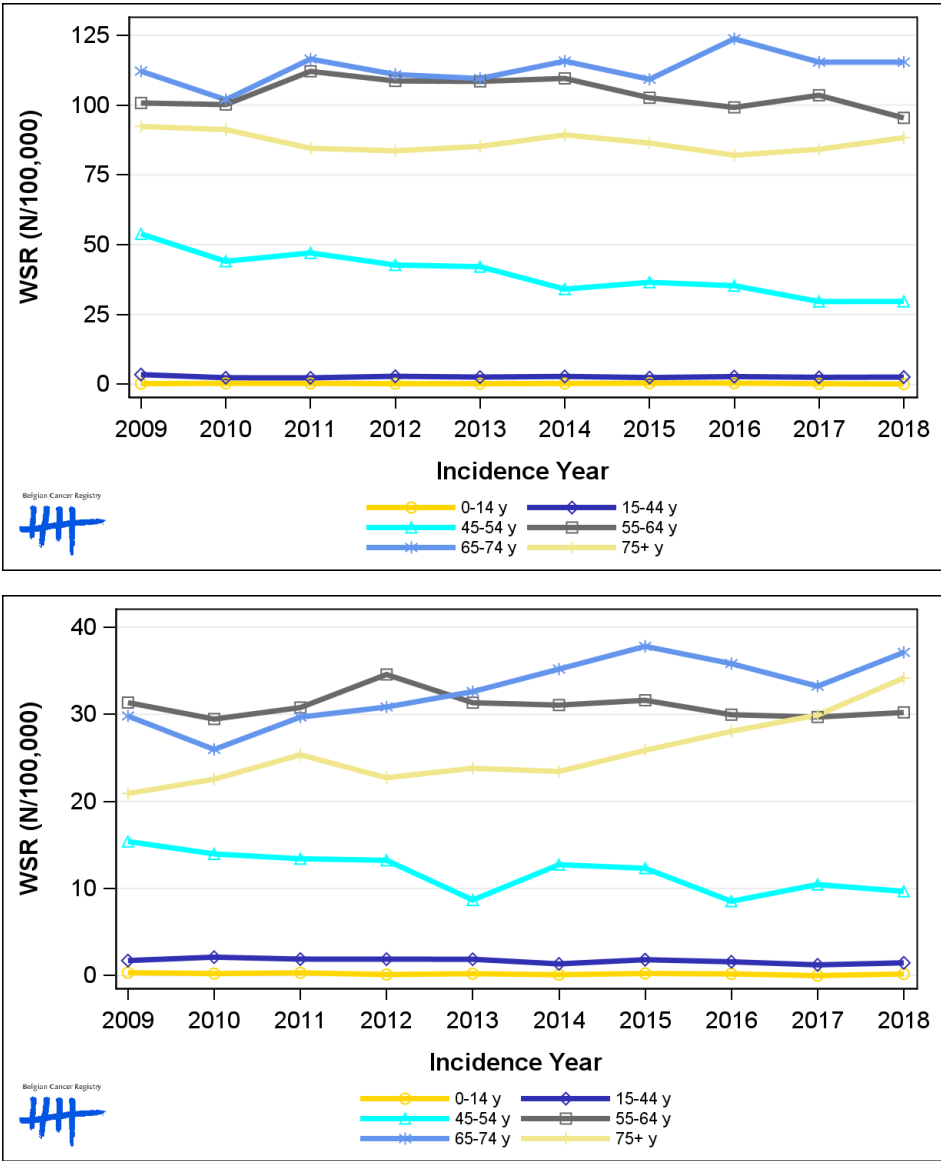
1.5. Incidence by broad age groups

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									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Males																				
All ages	1,965	1,835	2,017	1,954	1,987	2,001	1,954	2,013	1,989	1,978	23.0	20.9	22.8	21.9	21.7	21.4	20.6	21.0	20.1	19.6
0-14 y	2	3	3	2	2	3	4	4	2	1	0.2	0.3	0.3	0.2	0.2	0.3	0.4	0.4	0.2	<0.1
15-44 y	91	60	62	72	68	73	61	70	64	65	3.5	2.3	2.3	2.9	2.6	2.8	2.4	2.7	2.5	2.6
45-54 y	433	358	389	355	357	288	308	299	249	250	53.8	44.1	47.1	42.7	42.1	34.1	36.5	35.3	29.6	29.7
55-64 y	644	654	748	731	735	750	712	698	741	692	100.8	100.2	112.1	108.7	108.5	109.6	102.6	99.2	103.5	95.4
65-74 y	471	432	504	496	505	547	531	620	598	621	112.2	101.9	116.5	111.0	109.5	115.8	109.3	123.8	115.4	115.4
75+ y	324	328	311	298	320	340	338	322	335	349	92.3	91.2	84.5	83.6	85.2	89.3	86.4	82.1	84.2	88.3
Females																				
All ages	634	617	663	692	652	682	734	693	703	752	7.0	6.6	6.8	7.1	6.4	6.7	7.2	6.4	6.3	6.7
0-14 y	3	2	3	1	2	1	2	2	0	2	0.3	0.2	0.3	0.1	0.2	0.1	0.2	0.2	0.0	0.2
15-44 y	40	47	46	49	46	33	45	36	29	33	1.7	2.1	1.9	1.9	1.9	1.3	1.8	1.6	1.2	1.5
45-54 y	122	114	108	110	72	105	100	71	86	79	15.4	14.0	13.4	13.2	8.7	12.7	12.3	8.5	10.5	9.7
55-64 y	205	196	210	237	218	218	224	214	217	224	31.3	29.5	30.8	34.6	31.3	31.1	31.6	30.0	29.7	30.2
65-74 y	142	124	145	156	167	184	202	197	190	215	29.8	26.0	29.7	30.8	32.6	35.2	37.8	35.8	33.2	37.1
75+ y	122	134	151	139	147	141	161	173	181	199	20.9	22.6	25.4	22.7	23.8	23.4	25.9	28.1	29.9	34.2

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 2014-2018

	5-year relative survival 2014-2018 (%)					
	Males			Females		
	N at risk	estimate	95% CI	N at risk	estimate	95% CI
Overall	9,607	51.3	[49.9, 52.7]	3,470	57.7	[55.5, 59.9]
Age group						
15-49 years	742	63.3	[58.8, 67.6]	322	71.4	[65.1, 77.0]
50-74 years	7,220	50.7	[49.2, 52.3]	2,318	58.6	[56.0, 61.1]
75+ years	1,651	48.5	[44.2, 53.1]	833	49.1	[43.3, 55.2]
Region						
Brussels-Capital Region	757	51.0	[45.8, 56.1]	325	60.7	[53.2, 67.7]
Flemish Region	5,326	53.2	[51.4, 55.2]	1,805	60.8	[57.7, 63.9]
Walloon Region	3,524	48.4	[46.1, 50.7]	1,340	52.9	[49.3, 56.4]

Figure 6: Head and Neck Cancer: relative survival proportion by sex, Belgium 2014-2018

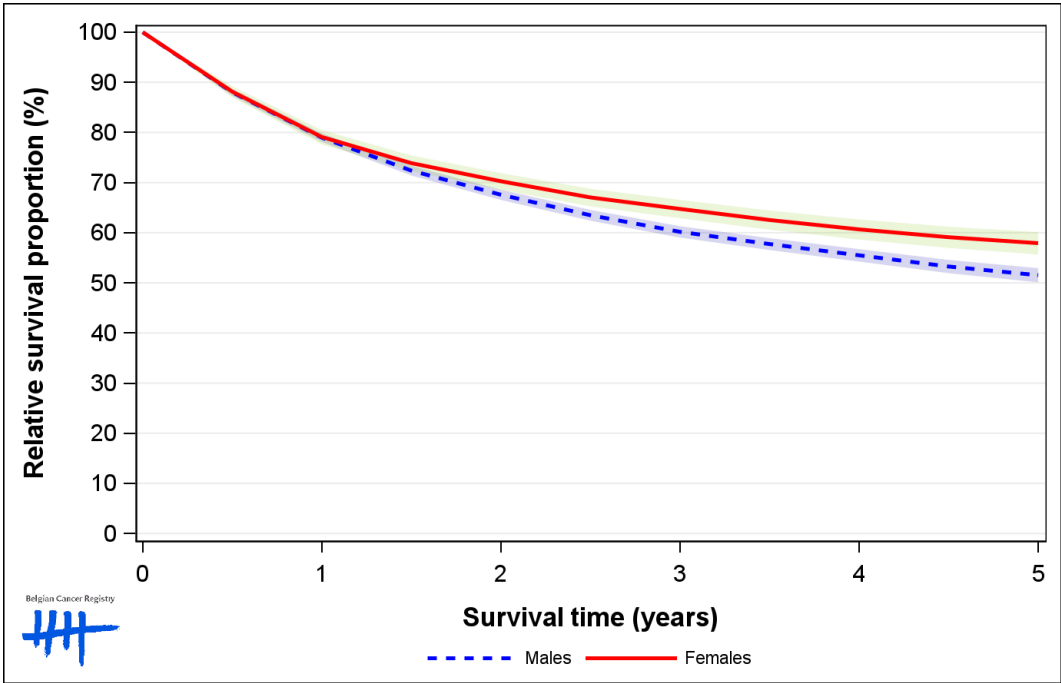


Figure 7: Head and Neck Cancer: relative survival proportion by age group in males, Belgium 2014-2018

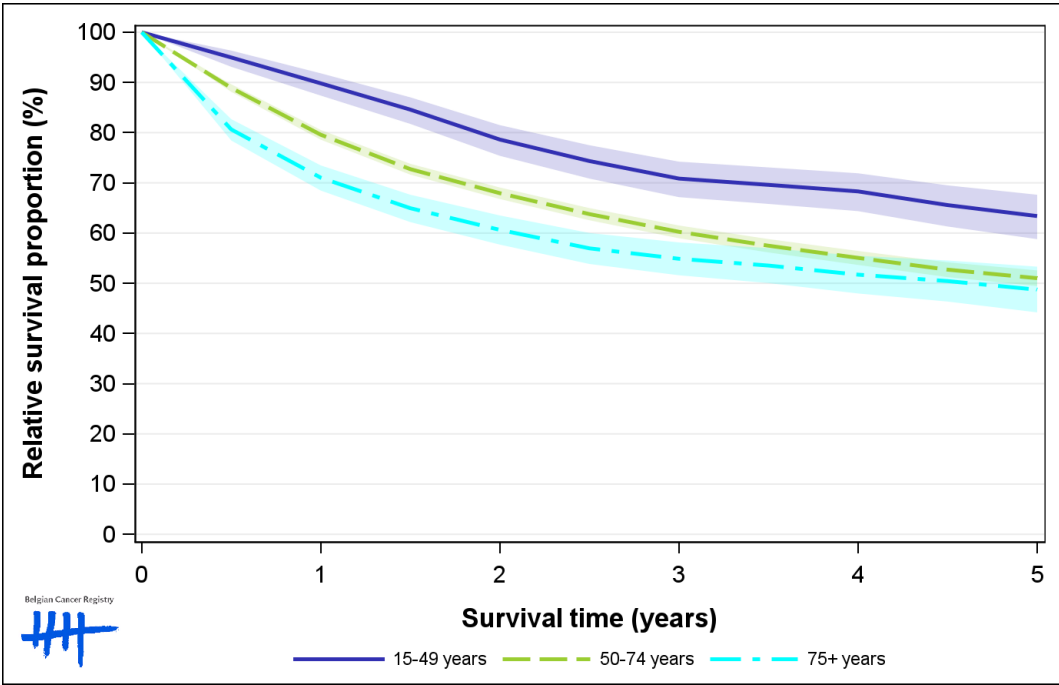


Figure 8: Head and Neck Cancer: relative survival proportion by age group in females, Belgium 2014-2018

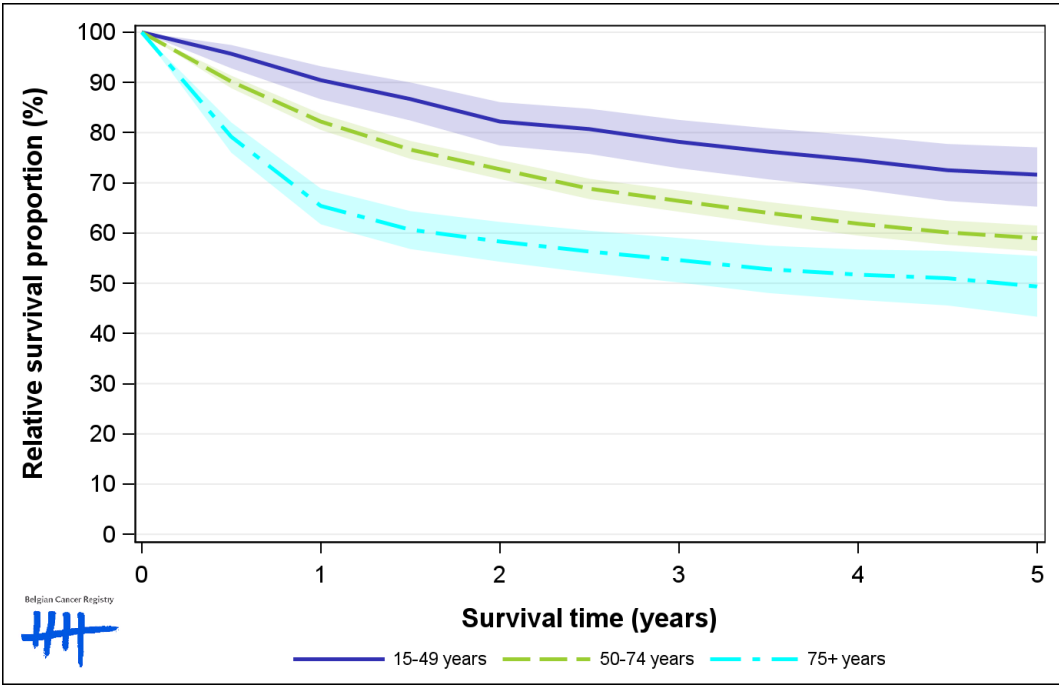


Figure 9: Head and Neck Cancer: relative survival proportion by region in males, Belgium 2014-2018

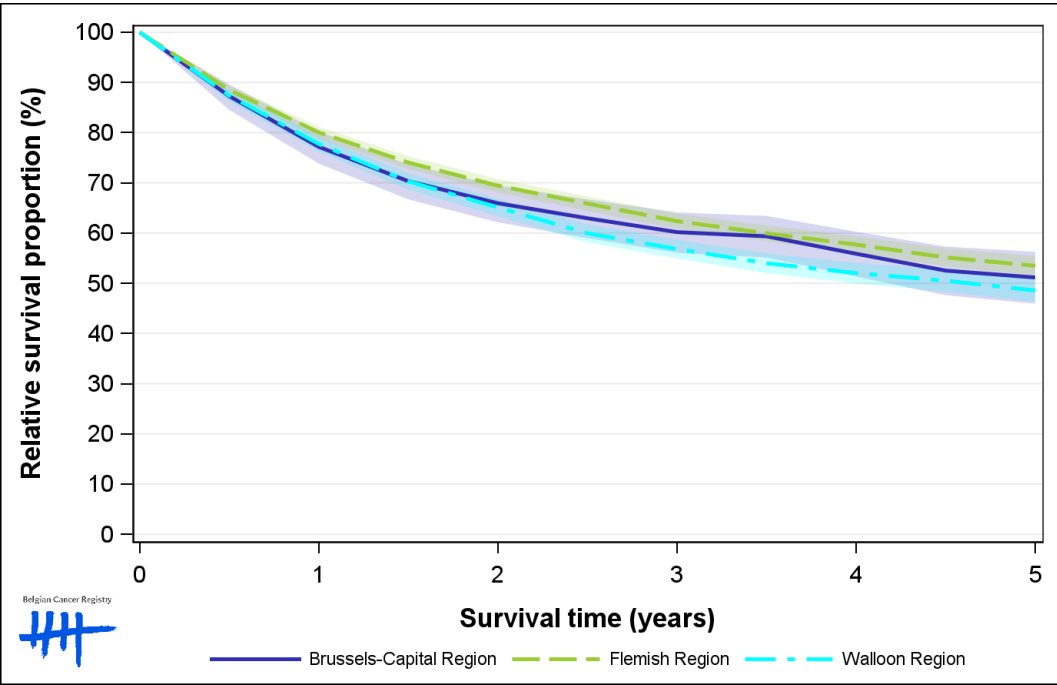


Figure 10: Head and Neck Cancer: relative survival proportion by region in females, Belgium 2014-2018

