

Belgian Cancer Registry



Cancer Fact Sheet **Thyroid Cancer**

ICD10 : C73

Belgium 2019

1. Cancer Incidence

1.1. Number of new diagnoses and incidence rates

Table 1: Thyroid 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	55.9	261	4.6	4.0	3.2	0.34
Brussels-Capital Region	49.7	31	5.2	5.4	4.4	0.49
Flemish Region	56.8	134	4.1	3.4	2.8	0.29
Walloon Region	56.8	96	5.4	4.7	3.7	0.39

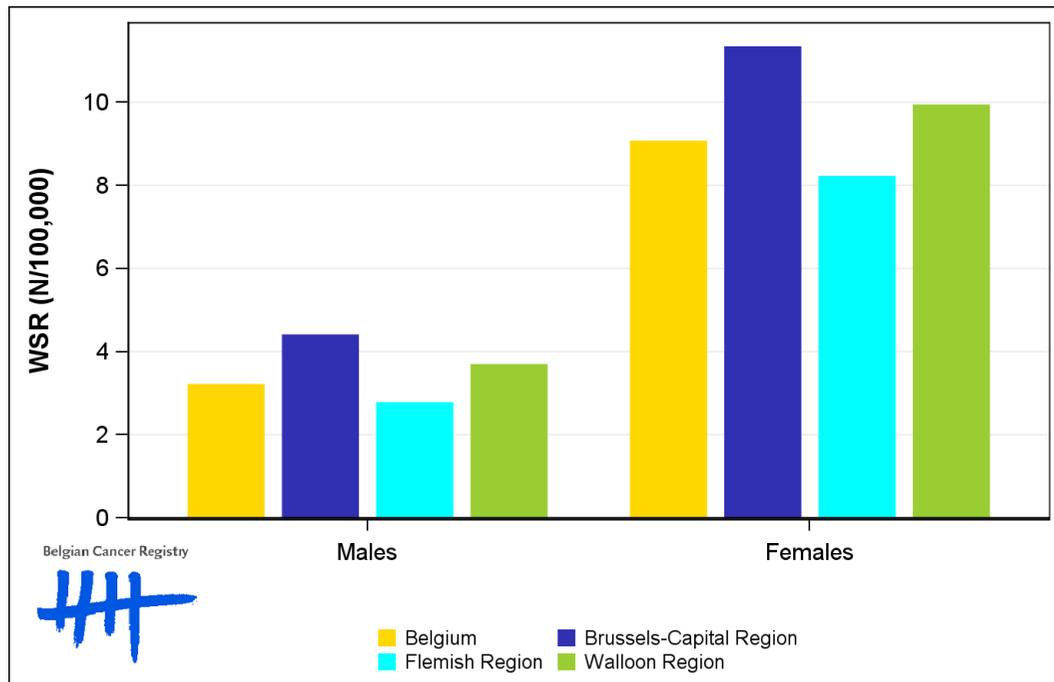
Females	Age (years)	N	CR	ESR	WSR	CRi
Belgium	52.7	705	12.1	11.1	9.1	0.89
Brussels-Capital Region	50.5	86	14.0	13.8	11.3	1.14
Flemish Region	53.0	367	11.0	9.9	8.2	0.80
Walloon Region	53.0	252	13.6	12.4	9.9	1.00

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



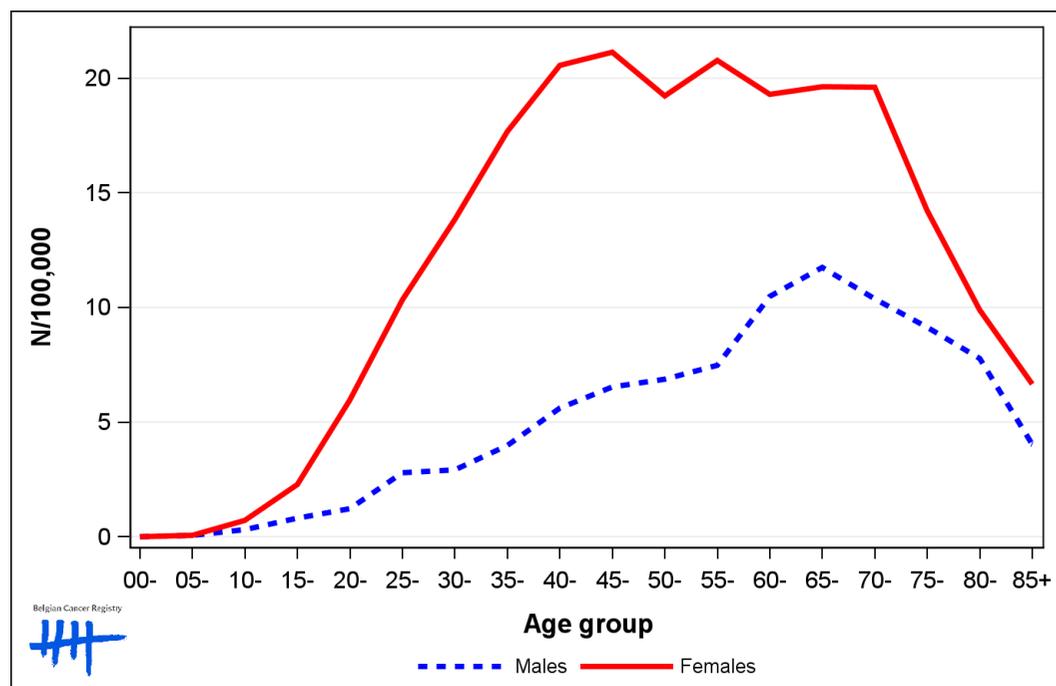
1.2. Age-specific incidence rates

Table 2: Thyroid 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	0.6	0.6	1.2	2.7	3.3	3.5	6.3	6.4	5.9	4.8	8.3	12.7	11.6	10.9	5.3	4.6	4.6	4.0	3.2
Females	0.0	0.0	0.6	2.3	5.5	8.6	9.0	16.3	18.5	23.5	18.4	20.5	17.8	19.2	18.8	14.6	11.2	5.5	12.1	11.1	9.1

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: Thyroid Cancer: Age-specific incidence rates by sex, 2015-2019



1.3. Combined stage

Note: For a detailed stage distribution, please consult the publication Cancer Burden in Belgium, 2004-2017, Belgian Cancer Registry, 2020.

1.4. Trends in incidence

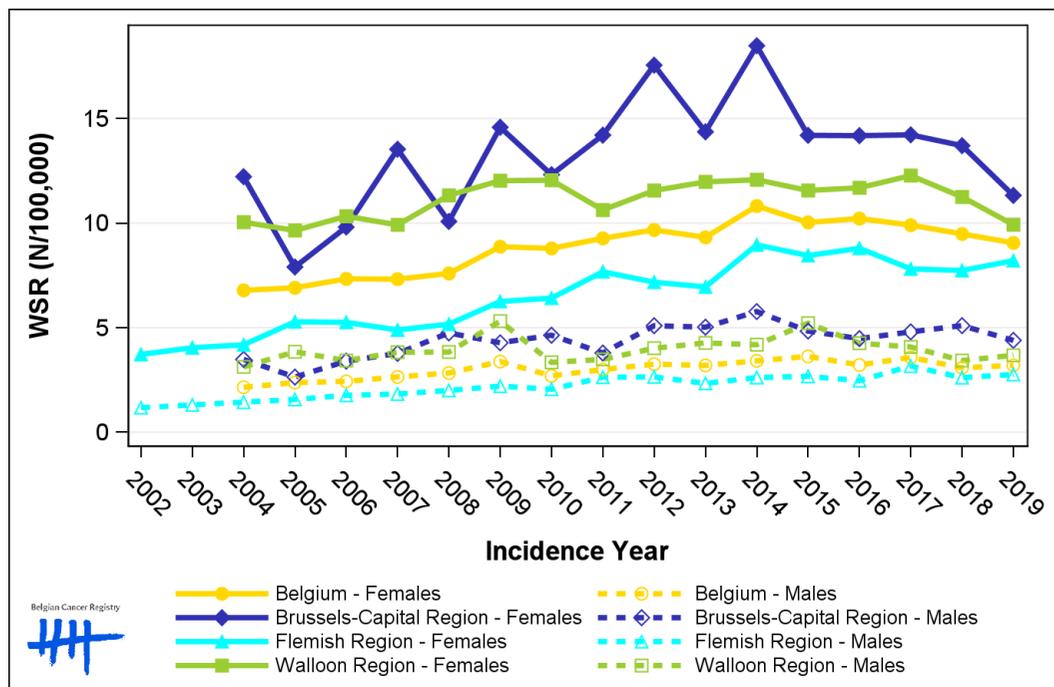
Table 3: Thyroid Cancer: Age-standardised incidence rates (WSR) and average annual percentage change (AAPC) by incidence year, sex and region

Males	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	AAPC	95% CI
Belgium	2.4	2.4	2.6	2.8	3.4	2.7	3.0	3.3	3.2	3.4	3.6	3.2	3.6	3.1	3.2	1.8	[0.8; 2.7]
Brussels-Capital Region	2.6	3.4	3.8	4.8	4.3	4.6	3.8	5.1	5.0	5.8	4.8	4.5	4.8	5.1	4.4	2.7	[1.1; 4.2]
Flemish Region	1.6	1.8	1.8	2.0	2.2	2.1	2.6	2.6	2.3	2.6	2.7	2.5	3.2	2.6	2.8	3.9	[3.0; 4.9]
Walloon Region	3.8	3.4	3.8	3.8	5.3	3.3	3.5	4.0	4.3	4.2	5.2	4.3	4.1	3.4	3.7	0.4	[-1.5; 2.2]

Females	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	AAPC	95% CI
Belgium	6.9	7.3	7.3	7.6	8.9	8.8	9.3	9.7	9.3	10.8	10.0	10.2	9.9	9.5	9.1	2.3	[1.7; 2.9]
Brussels-Capital Region	7.9	9.8	13.5	10.1	14.6	12.3	14.2	17.6	14.4	18.5	14.2	14.2	14.2	13.7	11.3	2.5	[0.8; 4.2]
Flemish Region	5.3	5.3	4.9	5.2	6.3	6.4	7.7	7.2	7.0	9.0	8.5	8.8	7.8	7.7	8.2	3.5	[2.4; 4.6]
Walloon Region	9.6	10.3	9.9	11.3	12.0	12.1	10.6	11.6	12.0	12.1	11.6	11.7	12.3	11.3	9.9	0.4	[-0.4; 1.2]

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



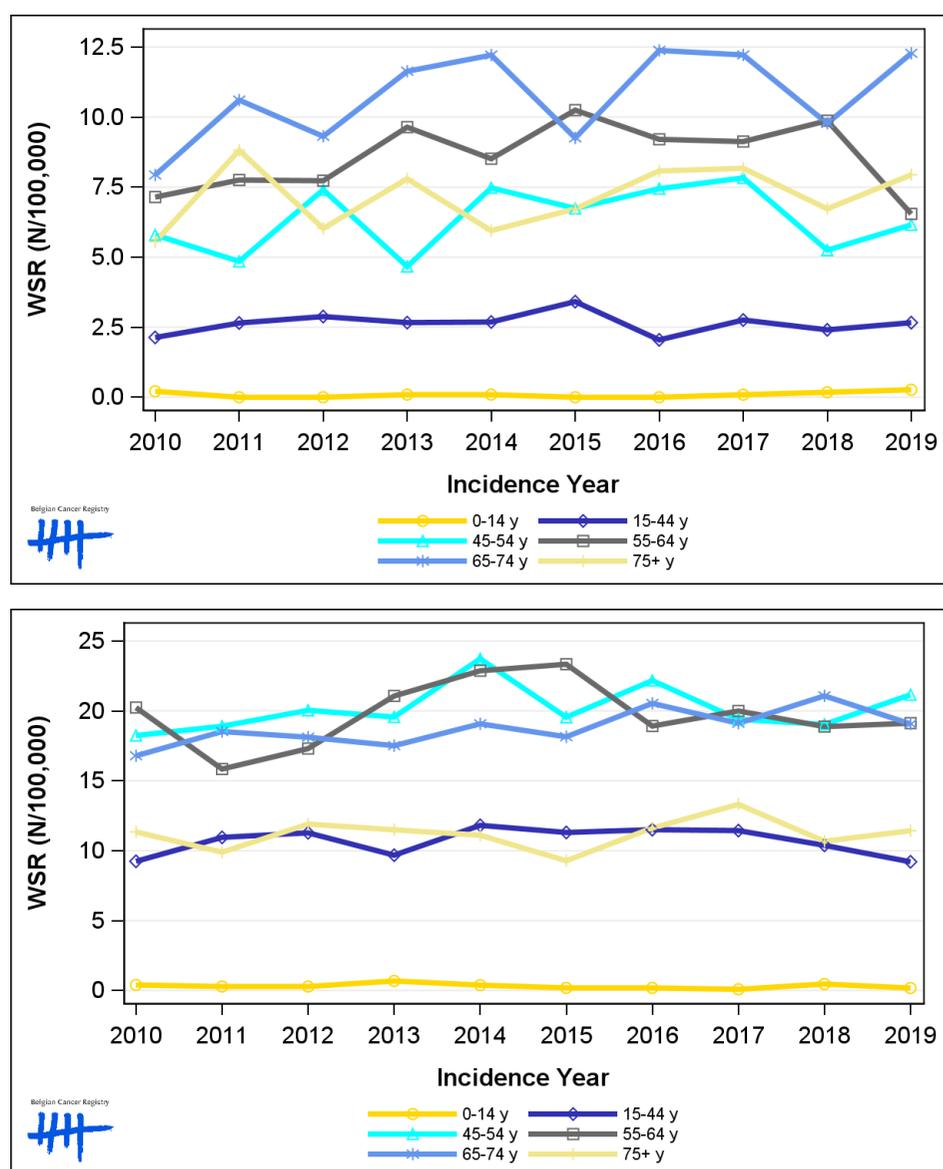
1.5. Incidence by broad age groups

Table 4: Thyroid 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	203	240	249	250	264	282	266	291	251	261	2.7	3.0	3.3	3.2	3.4	3.6	3.2	3.6	3.1	3.2
0-14 y	2	0	0	1	1	0	0	1	2	3	0.2	0.0	0.0	<0.1	<0.1	0.0	0.0	<0.1	0.2	0.3
15-44 y	53	69	70	64	63	83	48	66	56	64	2.1	2.7	2.9	2.7	2.7	3.4	2.0	2.8	2.4	2.7
45-54 y	46	39	62	38	62	56	60	63	43	49	5.8	4.8	7.4	4.7	7.5	6.7	7.4	7.8	5.3	6.2
55-64 y	47	52	52	65	58	71	65	65	72	48	7.1	7.8	7.7	9.6	8.5	10.2	9.2	9.1	9.9	6.5
65-74 y	34	46	42	54	58	45	62	63	52	67	7.9	10.6	9.3	11.6	12.2	9.3	12.4	12.2	9.8	12.3
75+ y	21	34	23	28	22	27	31	33	26	30	5.6	8.8	6.0	7.8	5.9	6.7	8.1	8.2	6.7	7.9
Females																				
All ages	651	669	706	689	802	745	777	753	719	705	8.8	9.3	9.7	9.3	10.8	10.0	10.2	9.9	9.5	9.1
0-14 y	4	3	3	7	4	2	2	1	5	2	0.4	0.3	0.3	0.7	0.4	0.2	0.2	<0.1	0.5	0.2
15-44 y	218	259	265	227	284	268	278	274	241	218	9.2	11.0	11.3	9.7	11.8	11.3	11.5	11.4	10.4	9.2
45-54 y	145	151	160	156	189	156	177	152	149	163	18.2	18.9	20.0	19.6	23.7	19.6	22.2	19.4	19.0	21.2
55-64 y	136	109	120	147	161	168	138	147	140	145	20.2	15.8	17.3	21.1	22.9	23.3	18.9	20.0	18.9	19.1
65-74 y	80	91	91	89	100	97	113	109	124	114	16.8	18.5	18.1	17.5	19.1	18.2	20.5	19.1	21.1	19.1
75+ y	68	56	67	63	64	54	69	70	60	63	11.3	9.9	11.9	11.5	11.1	9.3	11.6	13.3	10.7	11.4

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

Figure 4: Thyroid Cancer: Age-standardised incidence rates (WSR) versus incidence year by broad age groups for males (top) and females (bottom), Belgium



2. Relative survival

Table 5: Thyroid 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	1,335	93.5	[90.9, 95.8]	3,664	96.9	[95.8, 97.9]
Age group						
15-59 years	727	97.7	[95.6, 99.2]	2,461	99.4	[98.6, 99.9]
60-74 years	462	92.4	[87.2, 96.7]	888	95.4	[92.5, 97.8]
75+ years	146	73.3	[57.3, 88.5]	315	80.9	[71.2, 89.8]
Region						
Brussels-Capital Region	164	90.8	[81.3, 97.2]	508	98.7	[95.2, 101.0]
Flemish Region	652	93.2	[89.4, 96.4]	1,783	95.7	[94.0, 97.1]
Walloon Region	519	94.7	[90.6, 98.0]	1,373	97.9	[96.1, 99.4]

Figure 5: Thyroid Cancer: relative survival proportion by sex, Belgium 2015-2019

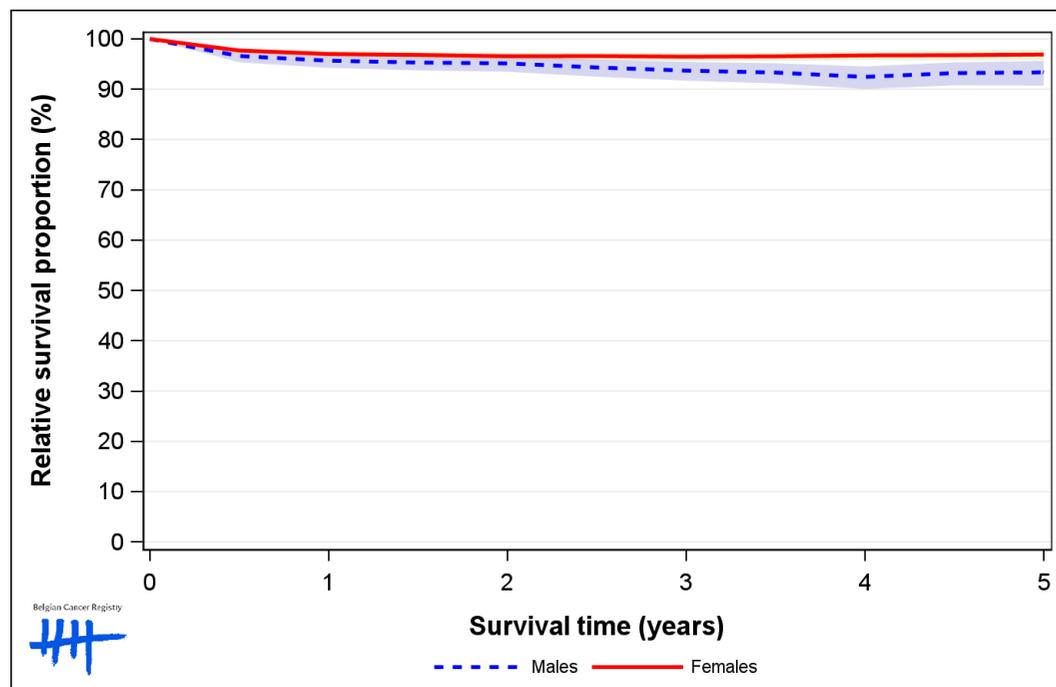


Figure 6: Thyroid Cancer: relative survival proportion by age group in males, Belgium 2015-2019

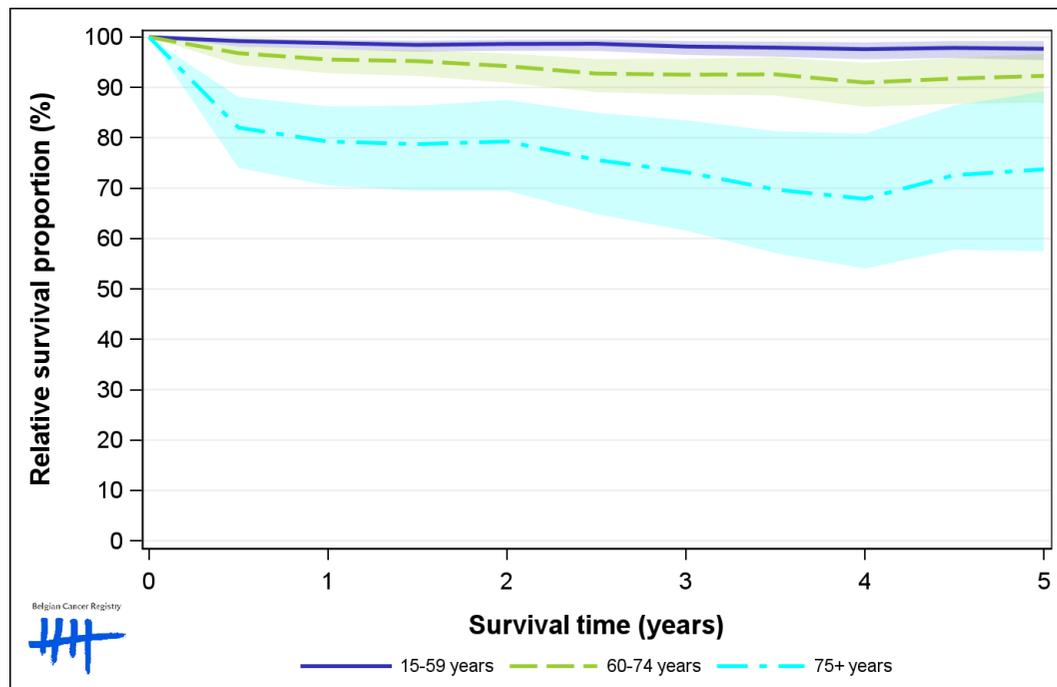


Figure 7: Thyroid Cancer: relative survival proportion by age group in females, Belgium 2015-2019

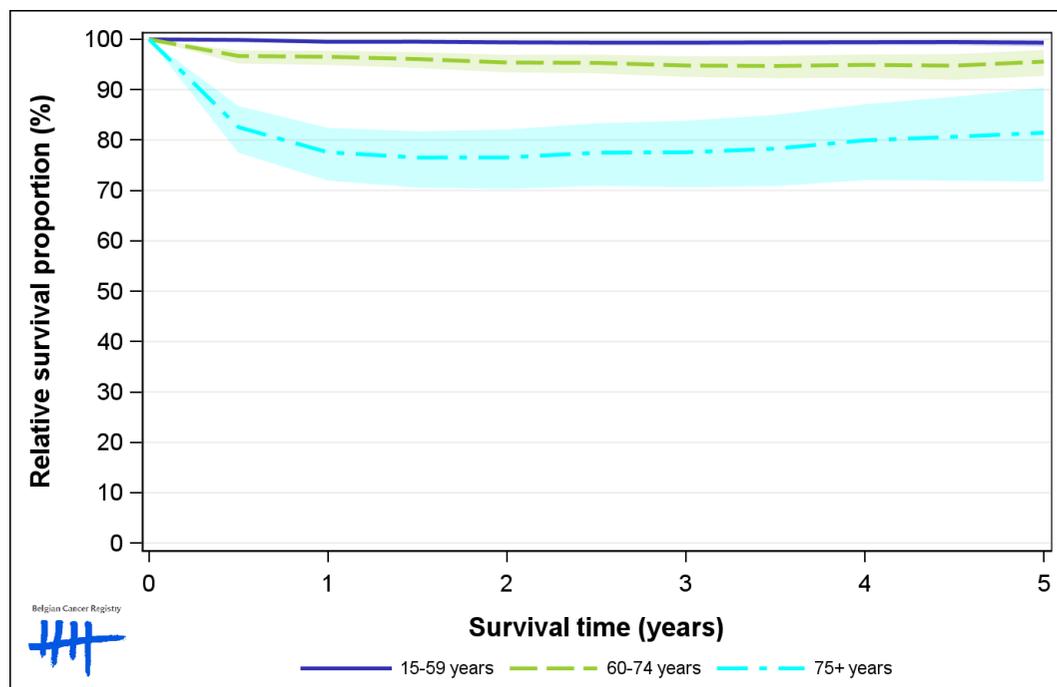


Figure 8: Thyroid Cancer: relative survival proportion by region in males, Belgium 2015-2019

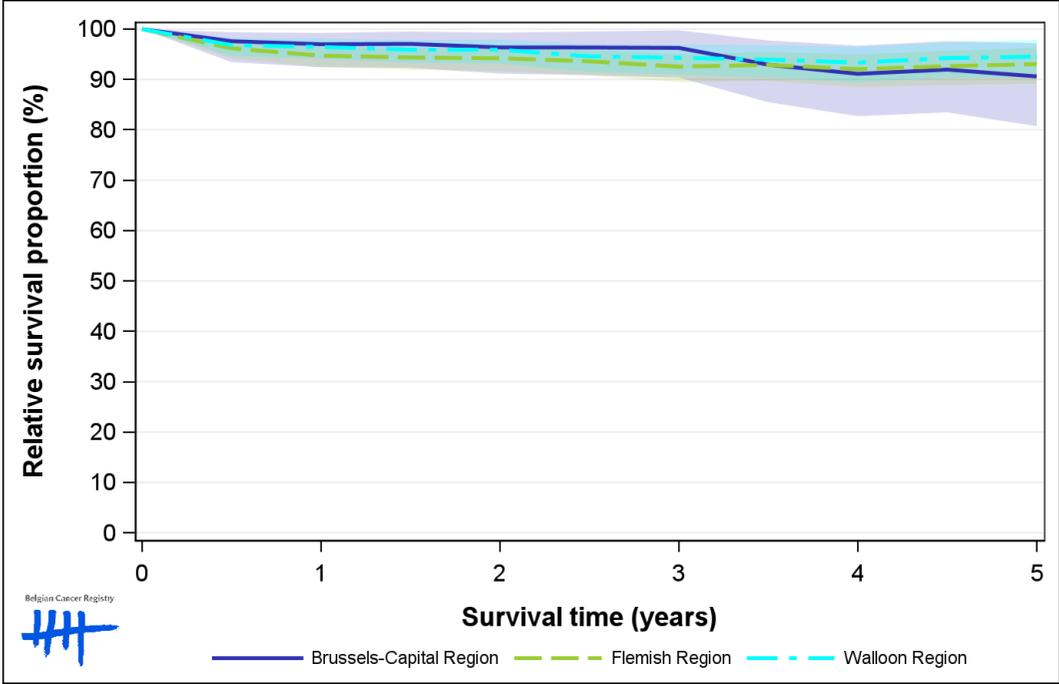


Figure 9: Thyroid Cancer: relative survival proportion by region in females, Belgium 2015-2019

